

FIG. 1

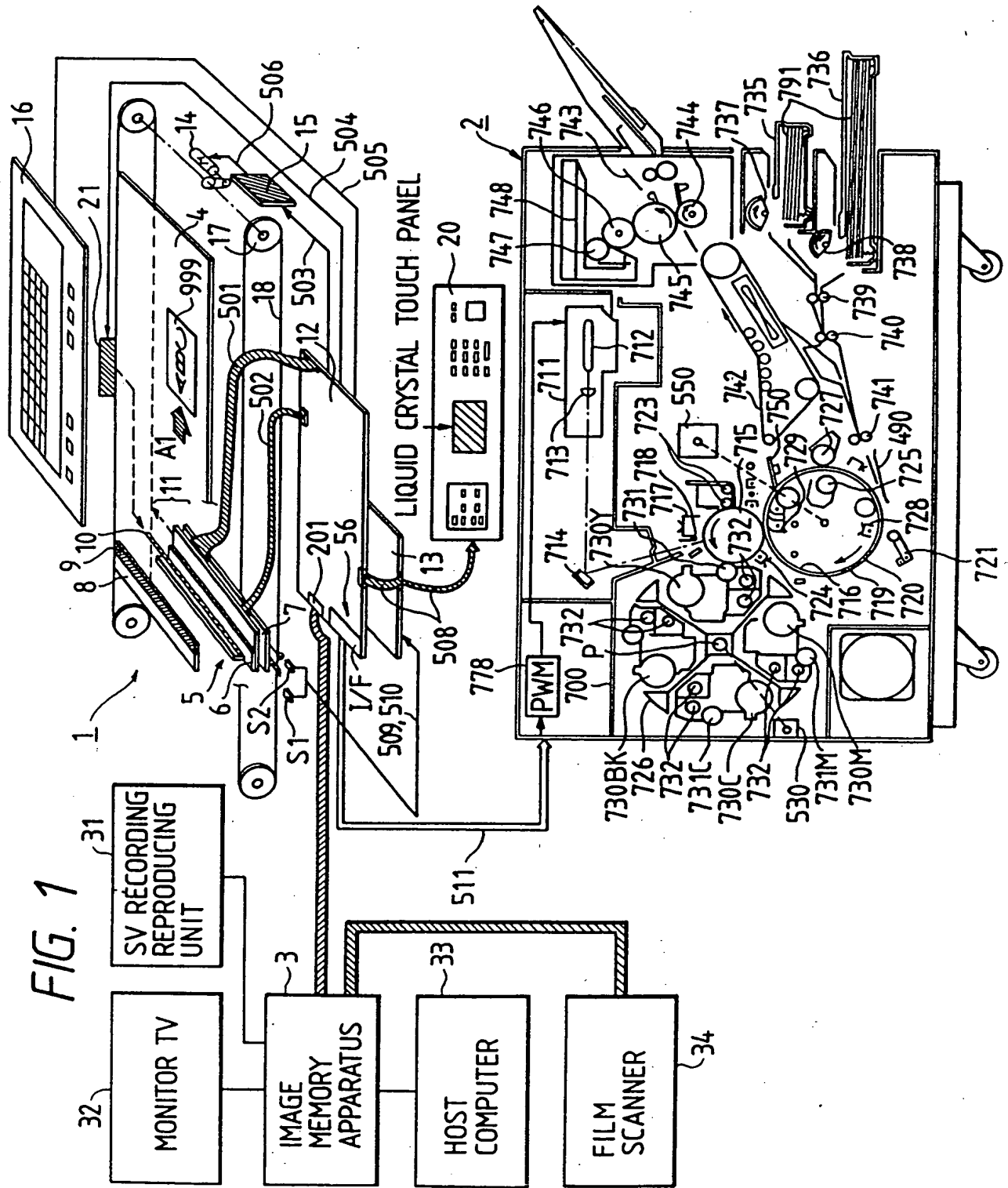
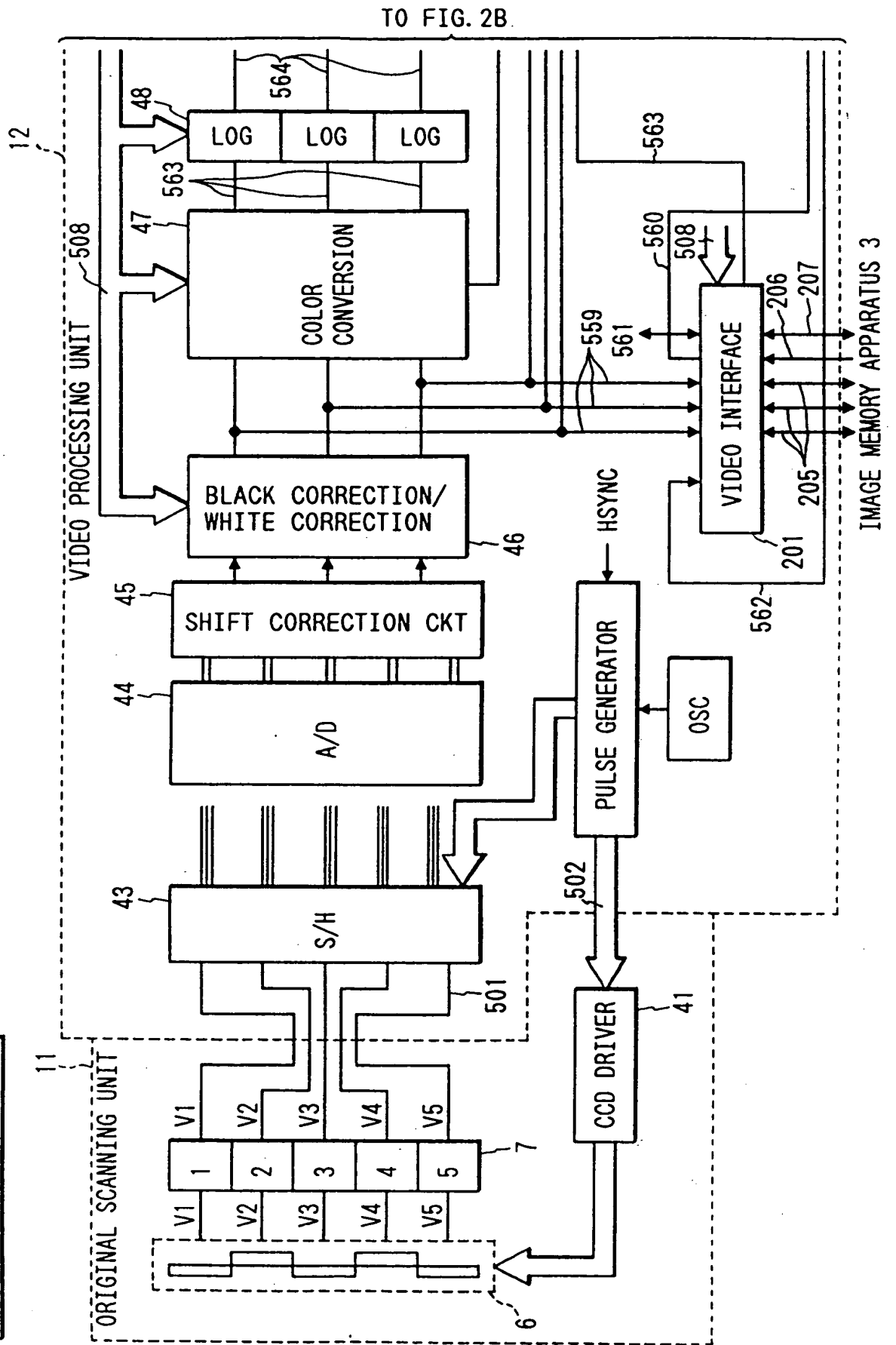


FIG. 2

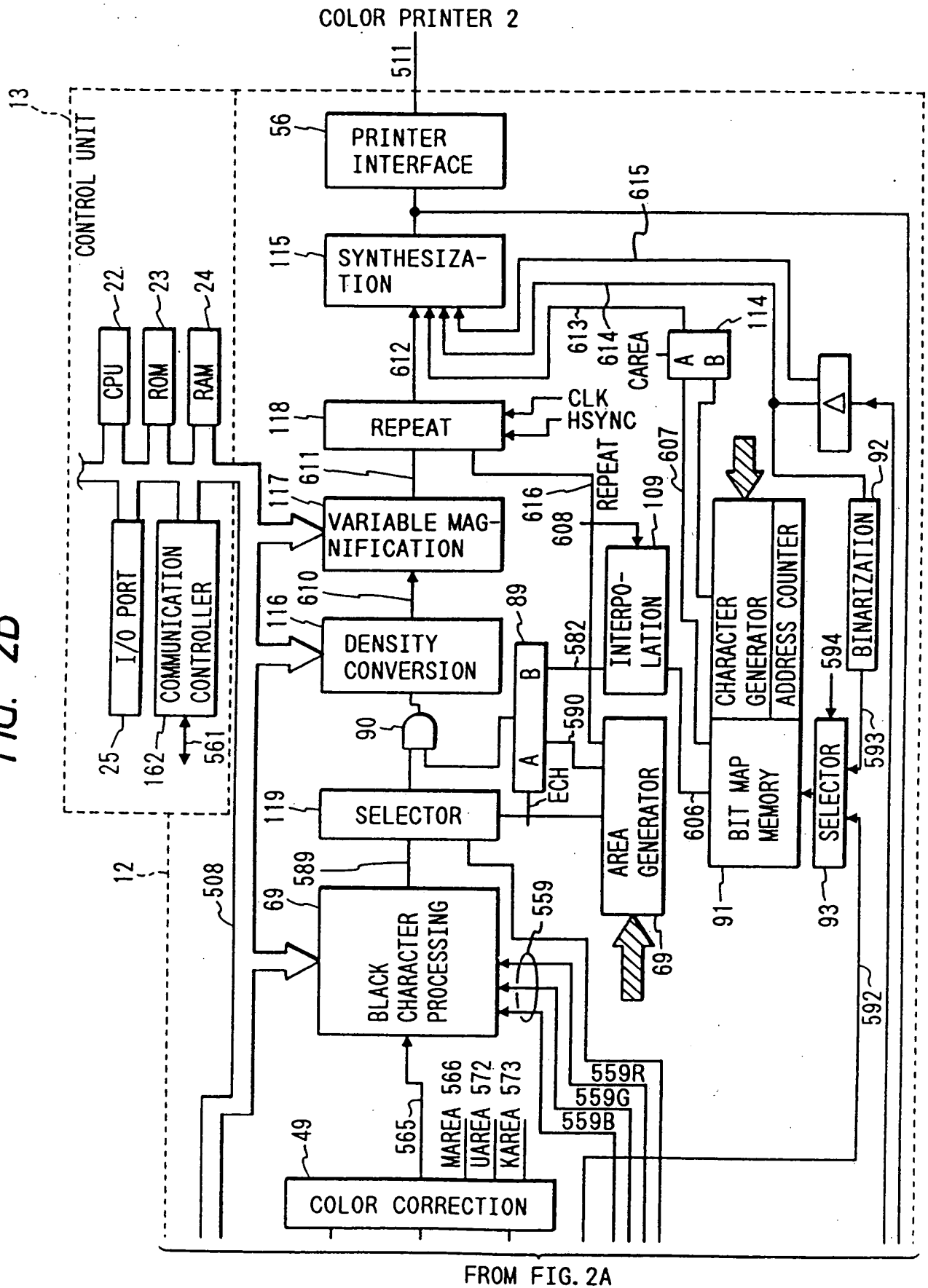
FIG. 2A

FIG. 2A



TO FIG. 2B.

FIG. 2B



FROM FIG. 2A

FIG. 3

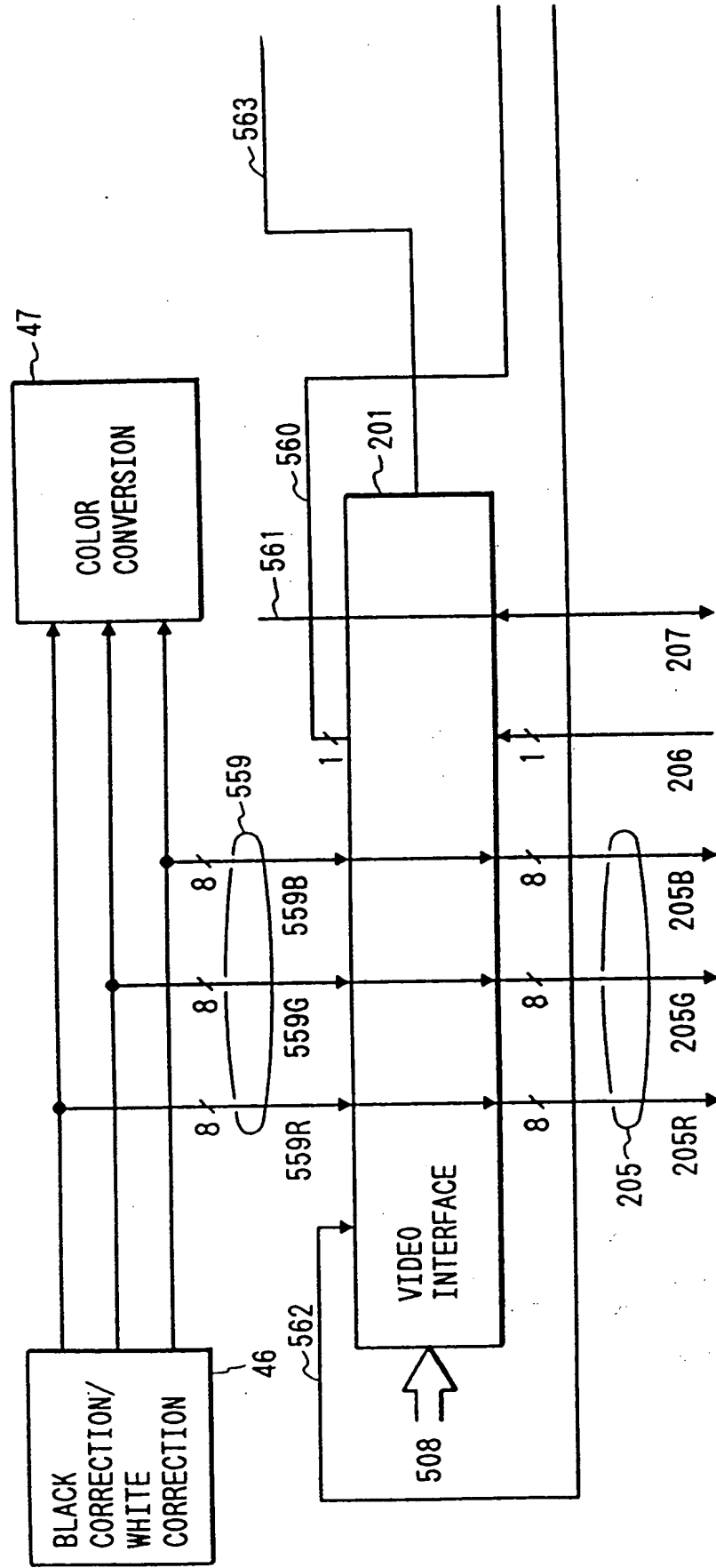


FIG. 4

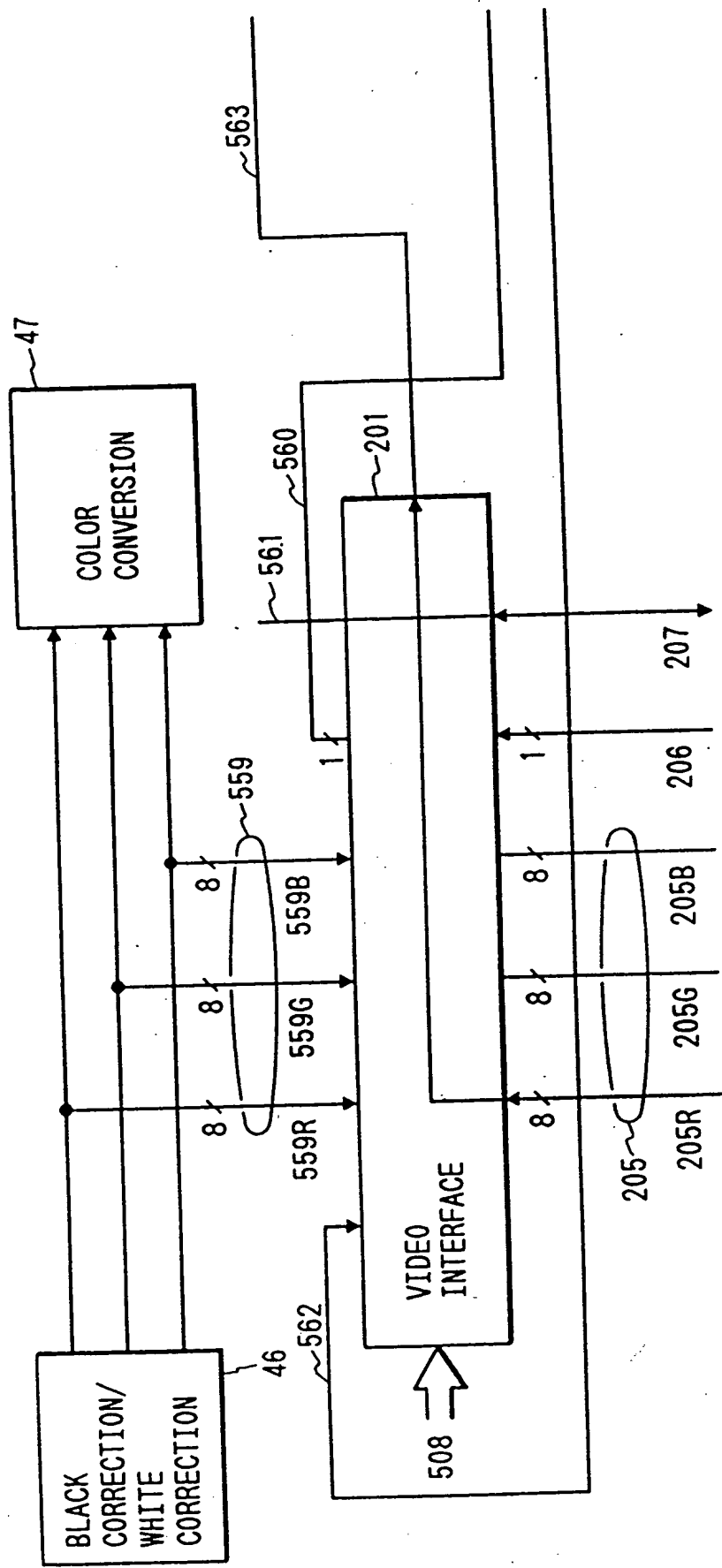


FIG. 5

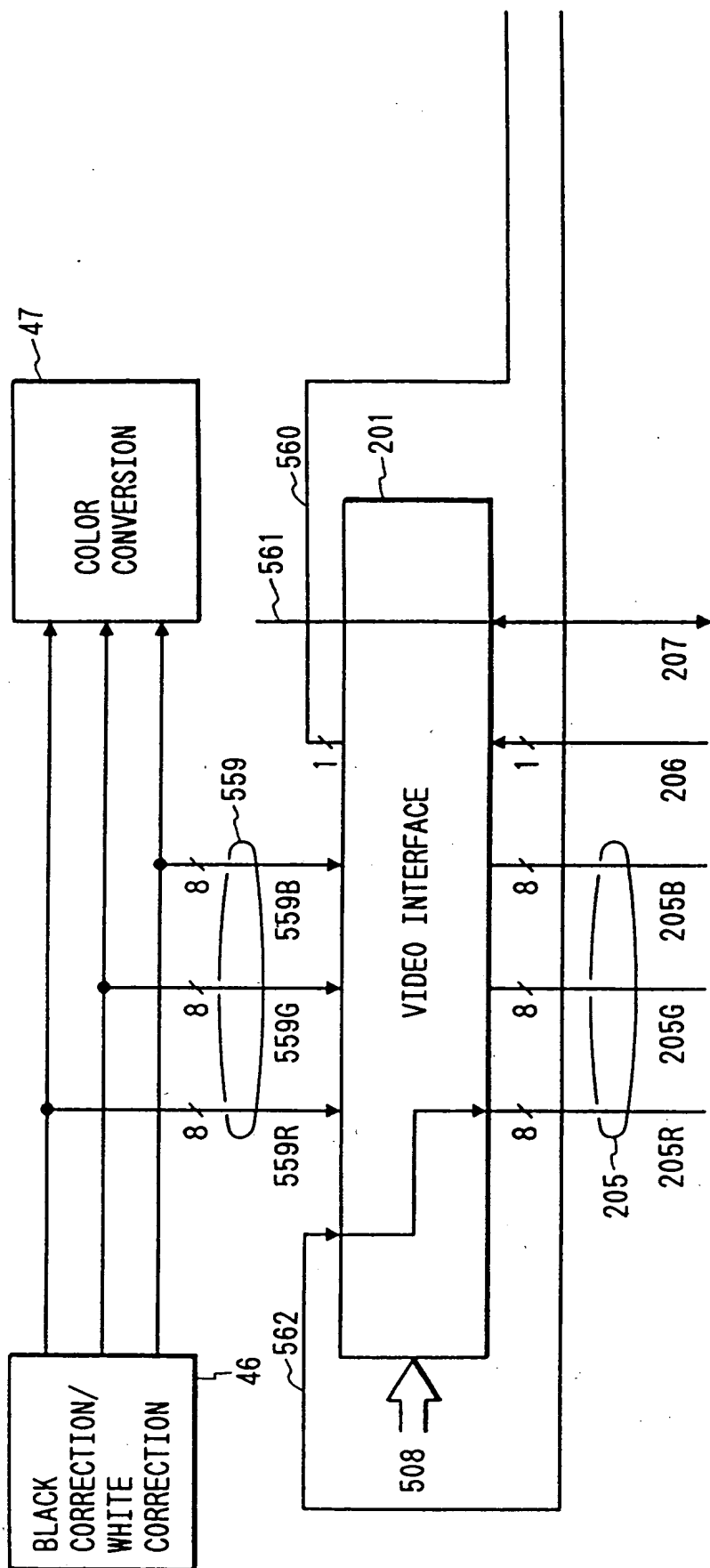


FIG. 6

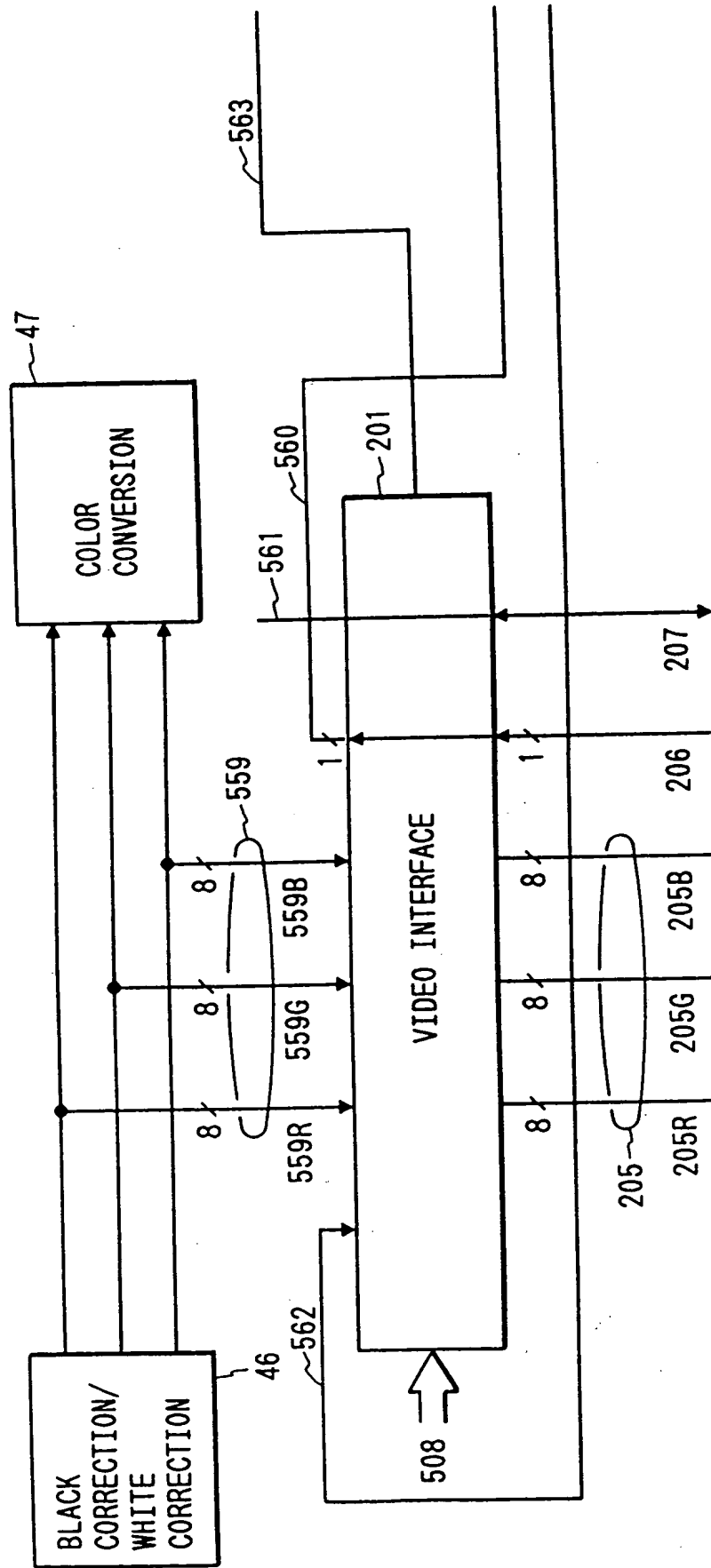


FIG. 7A

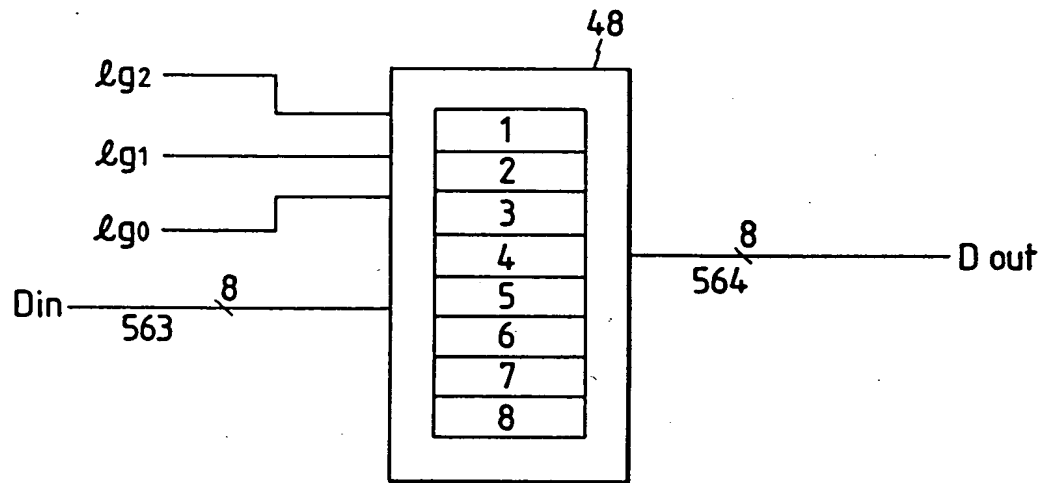
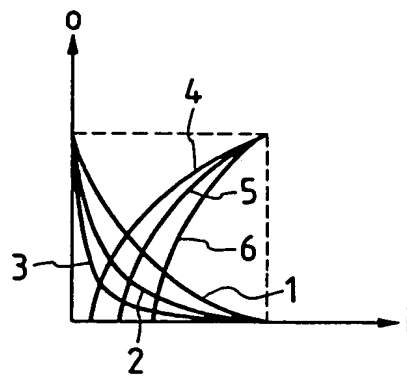
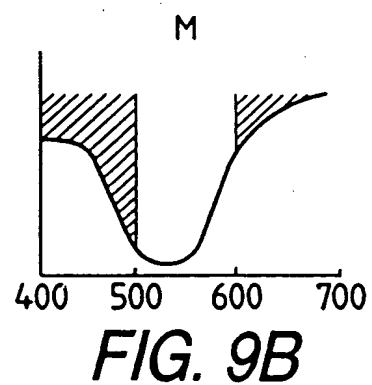
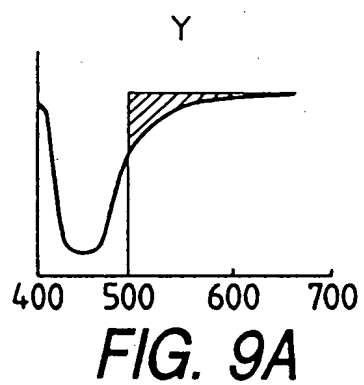
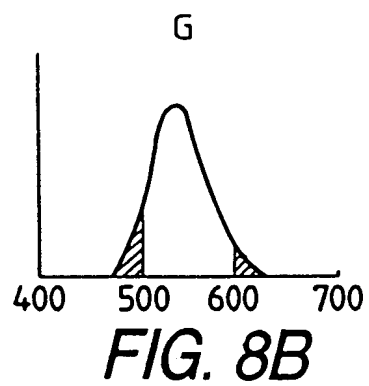
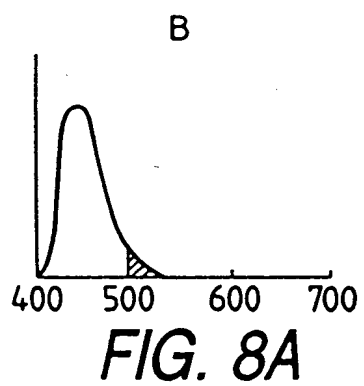


FIG. 7B





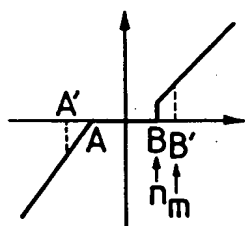




	C <sub>2</sub>	C <sub>1</sub>	C <sub>0</sub>	a	b	c	
①	0	0	0	1a	1b	1c	Y
②	0	0	1	2a	2b	2c	M
③	0	1	0	3a	3b	3c	C
④	0	1	1	4a	4b	4c	MONO
⑤	1	X	X	X	X	X	BK

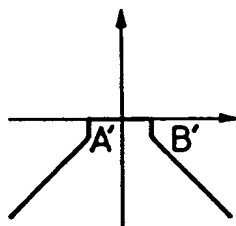


FIG. 12A



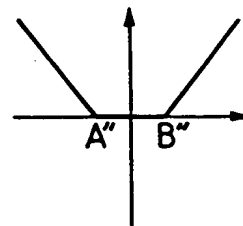
LUT(LOOKUP TABLE)A

FIG. 12B



LUT(LOOKUP TABLE)B

FIG. 12C



LUT(LOOKUP TABLE)C

FIG. 12D

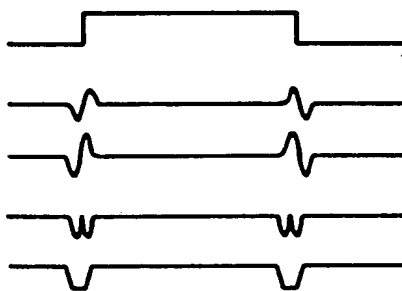


FIG. 13A

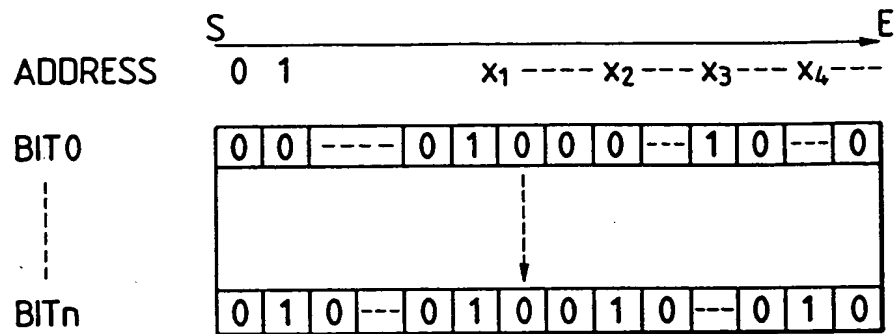


FIG. 13B

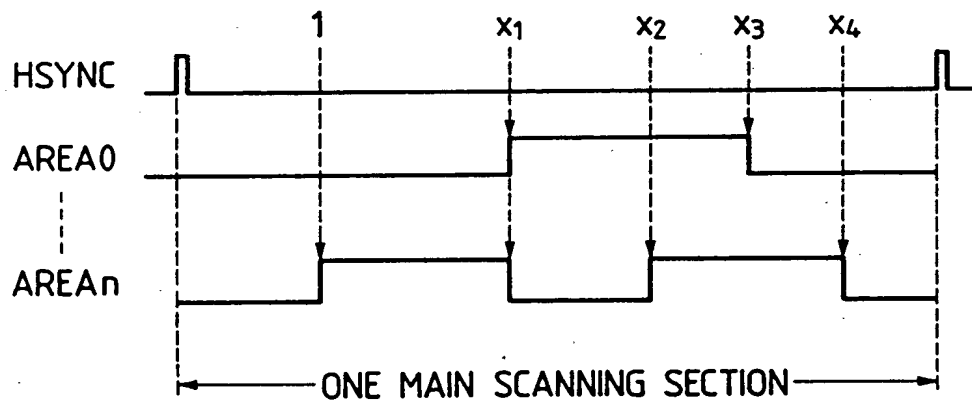


FIG. 13C

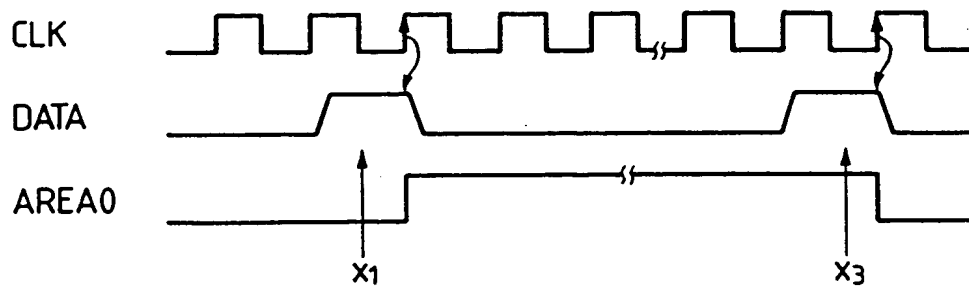


FIG. 13D

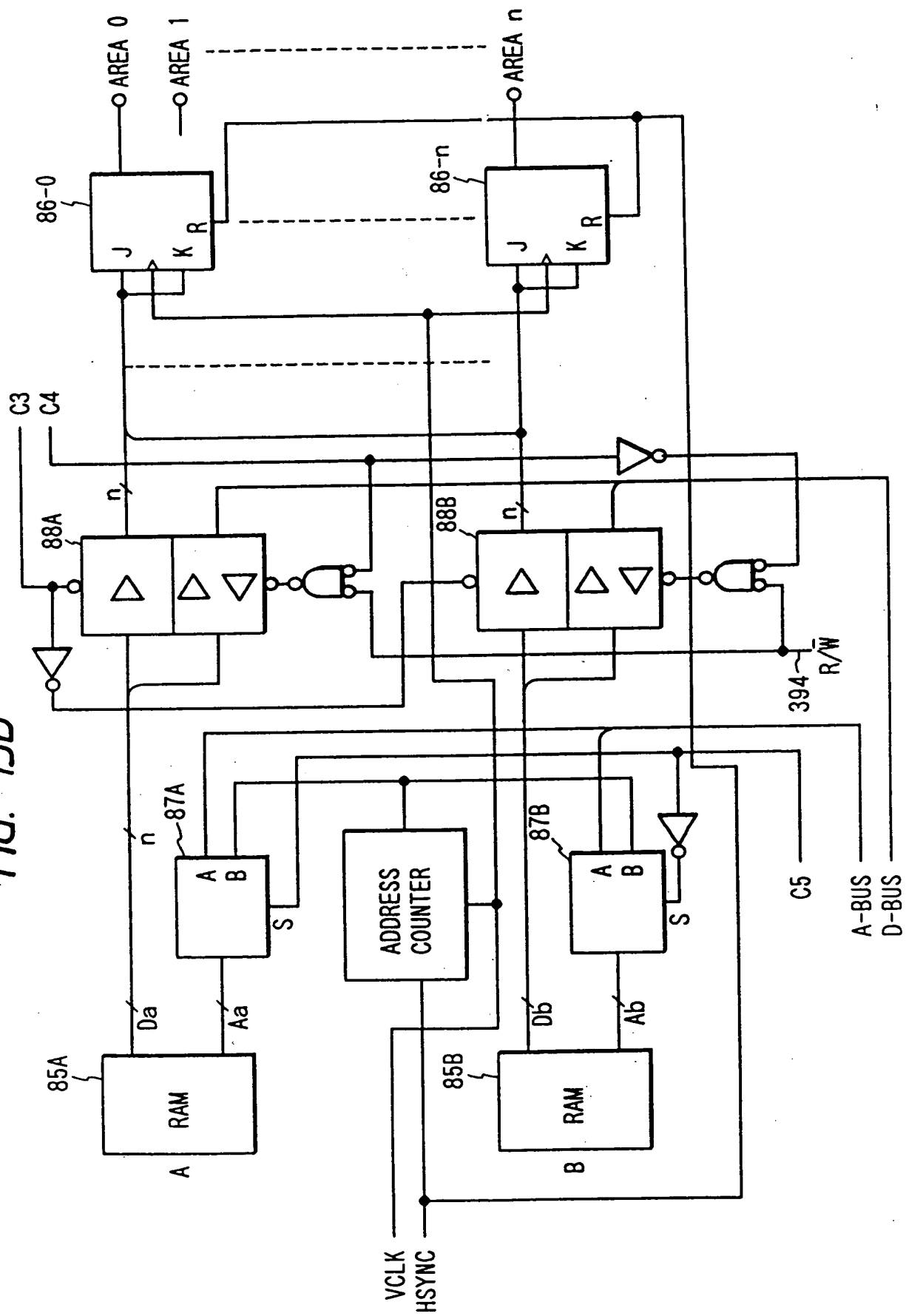


FIG. 13E

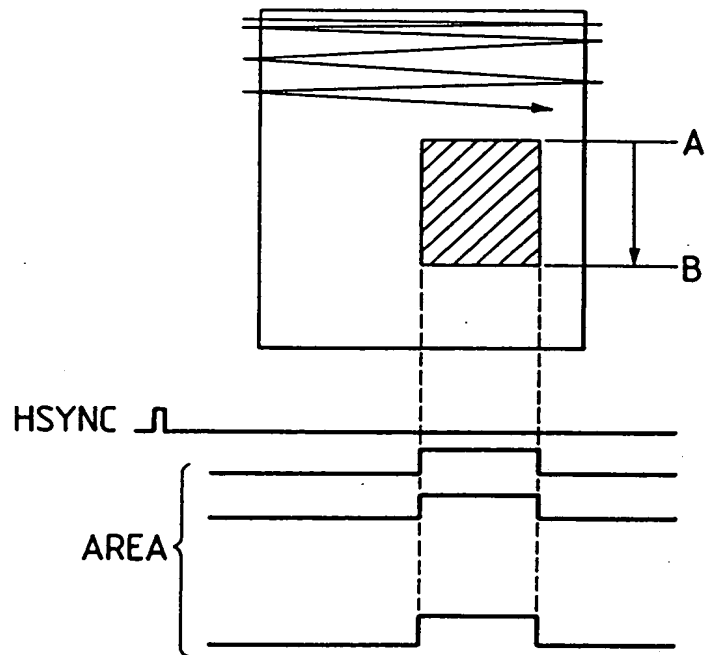
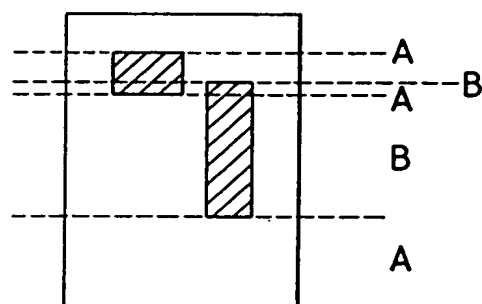


FIG. 13F



**FIG. 14A**

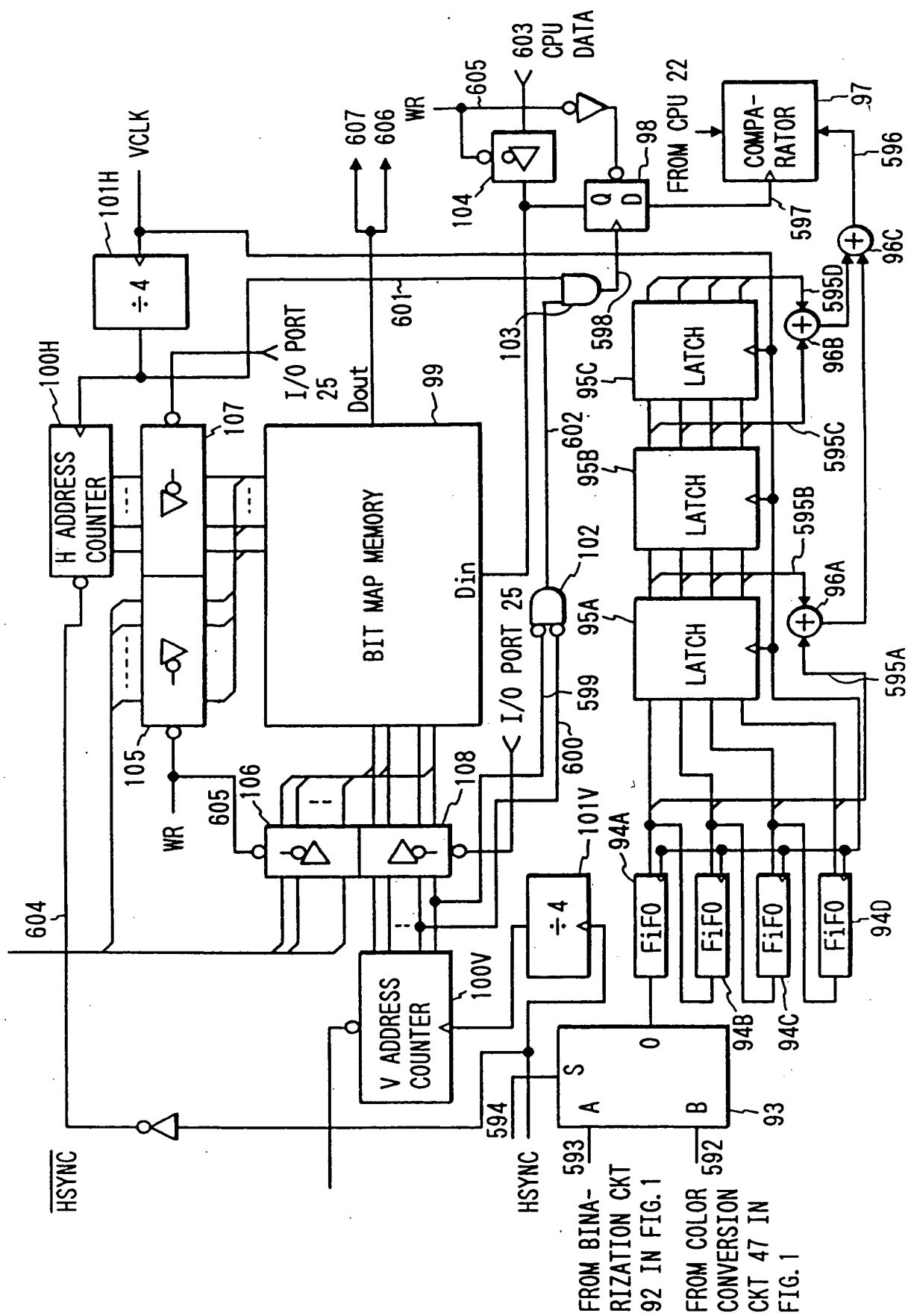




FIG. 14B

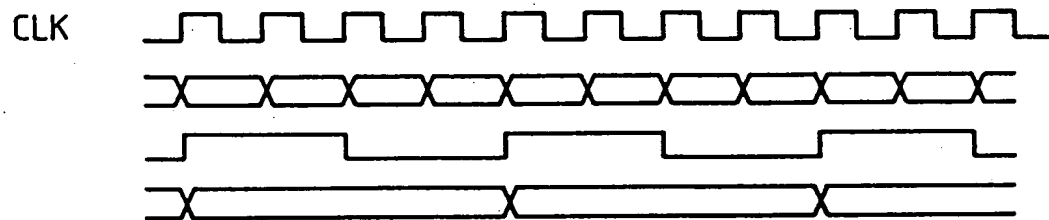
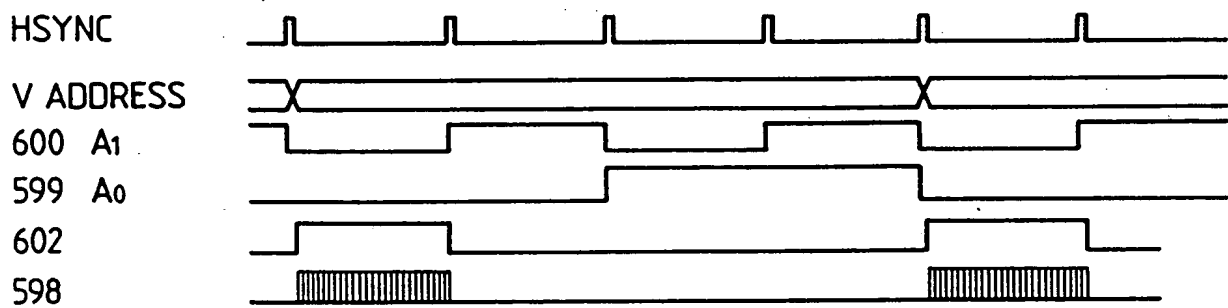


FIG. 14C



The timing diagram illustrates the relationship between the clock signal (VCLK) and the data lines (nTH LINE, (n+1)TH LINE, (n+2)TH LINE, (n+3)TH LINE) during a memory access cycle. The clock signal is shown as a series of pulses, with two blocks of pulses labeled BLOCK N and BLOCK N+1. The data lines show the data being transferred during each block. The (n+1)TH LINE shows a sequence of 1s and 0s, while the other data lines show a sequence of 1s and 0s. The diagram also shows the timing of the 598 and 602 signals, which are active during the data transfer period. The 598 signal is active during the first block of pulses, and the 602 signal is active during the second block of pulses. The diagram is labeled with VCLK, nTH LINE, (n+1)TH LINE, (n+2)TH LINE, (n+3)TH LINE, 598, 602, and MEMORY Din 604.

FIG. 15

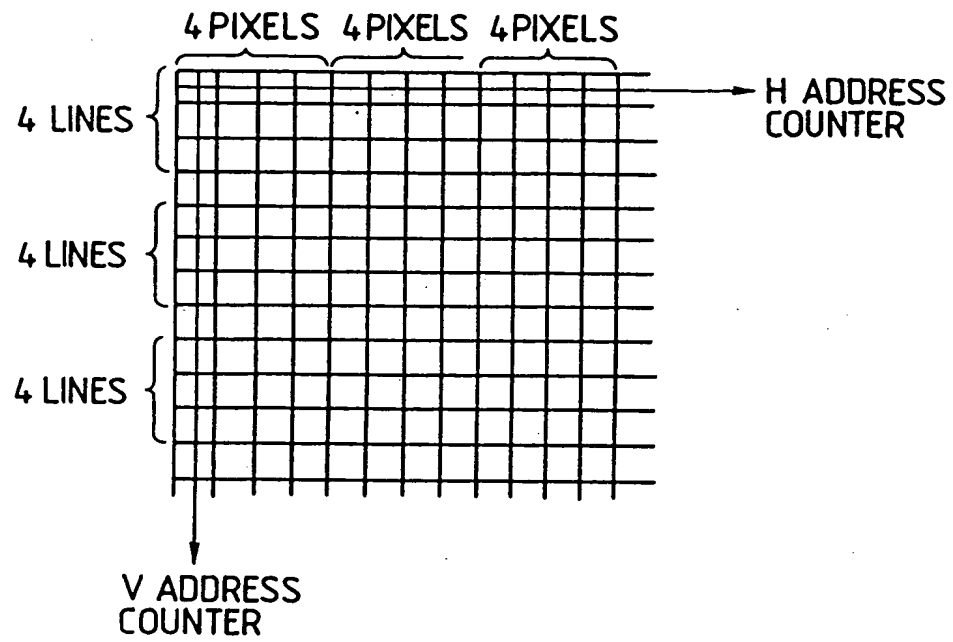


FIG. 16

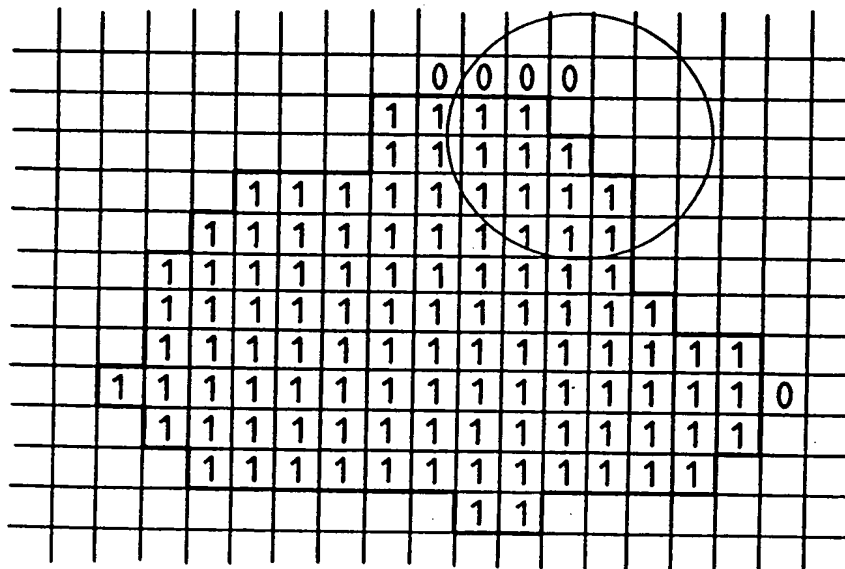


FIG. 17A

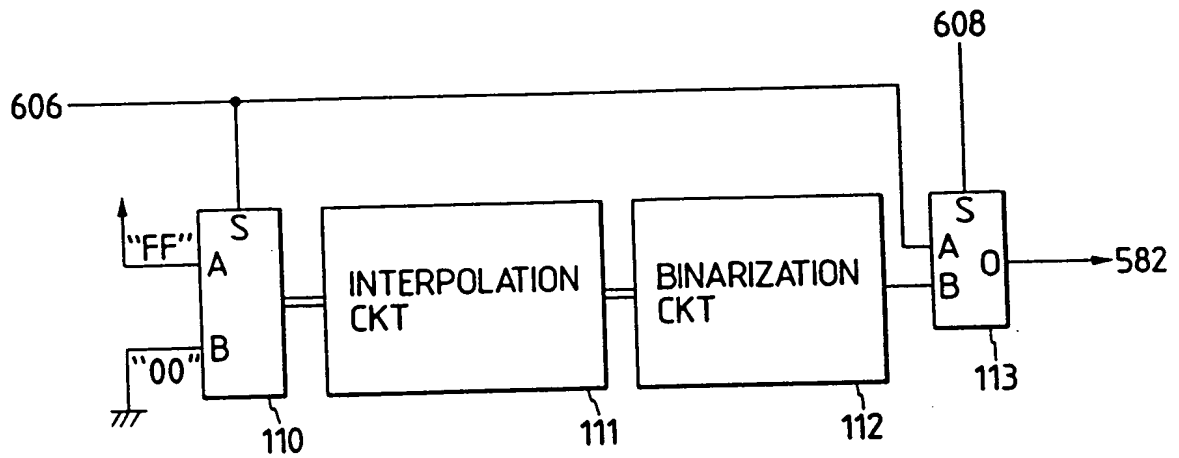


FIG. 17B

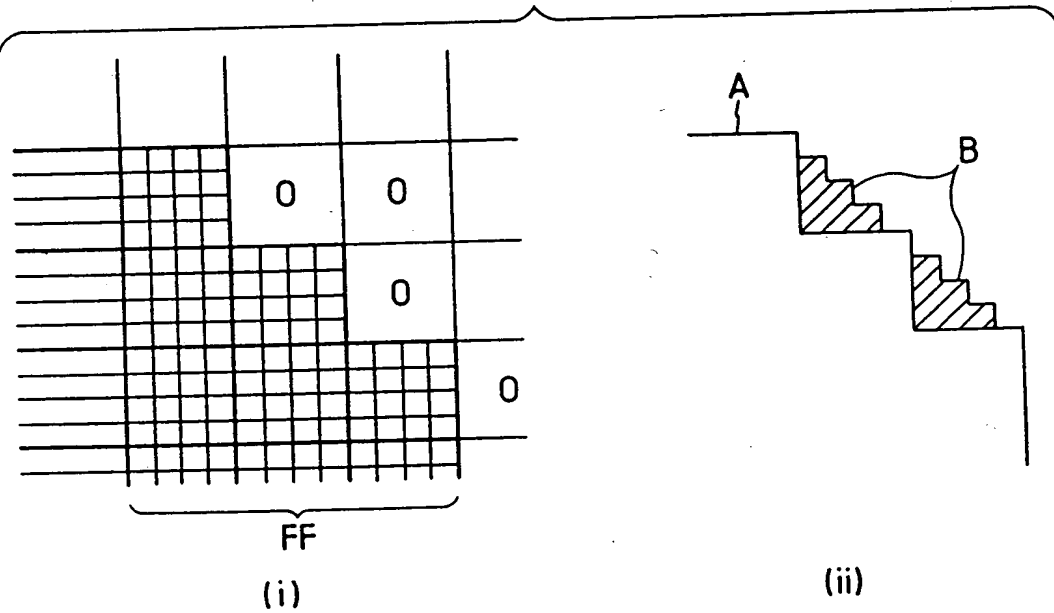


FIG. 18A

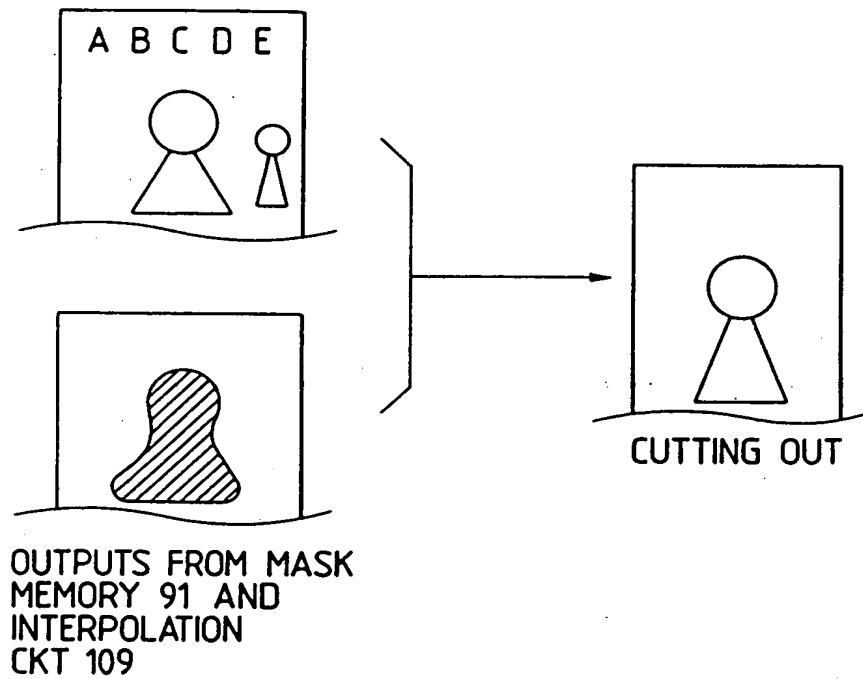


FIG. 18B

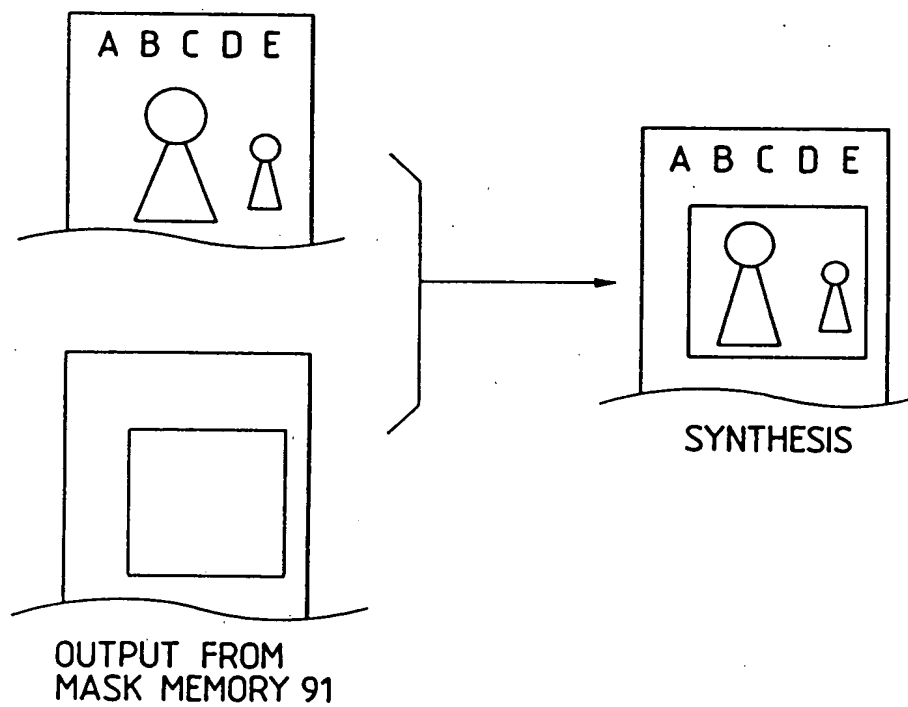


FIG. 19

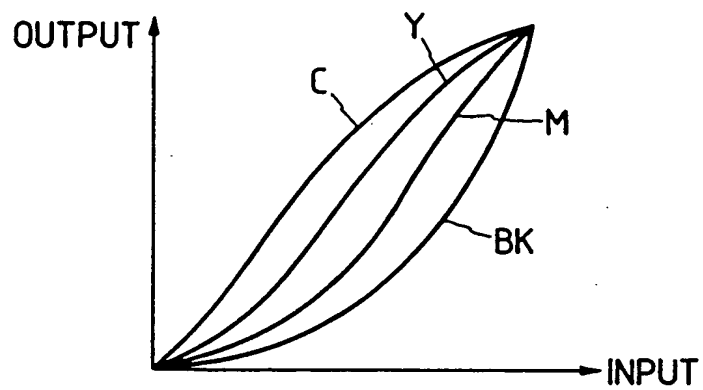
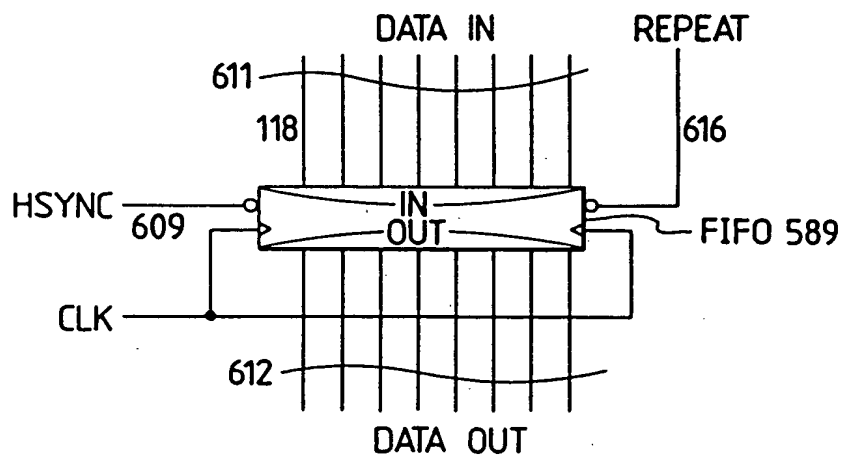
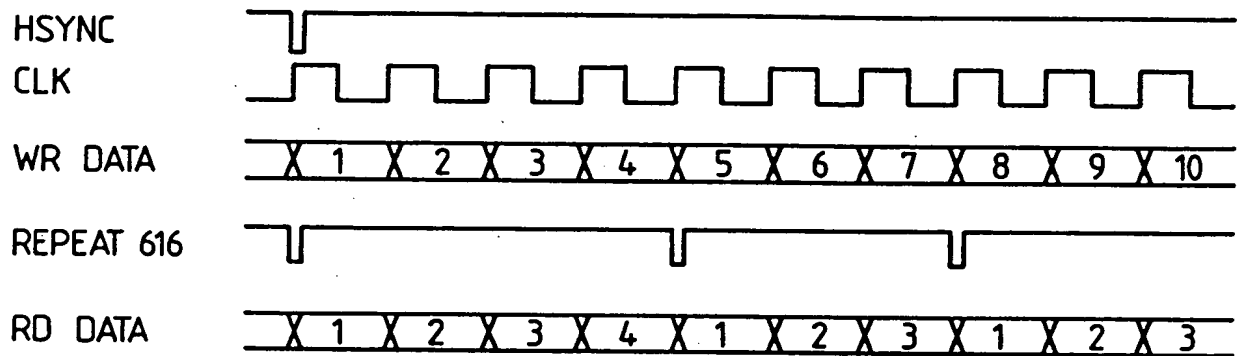


FIG. 20A



*FIG. 20B*



*FIG. 20C*

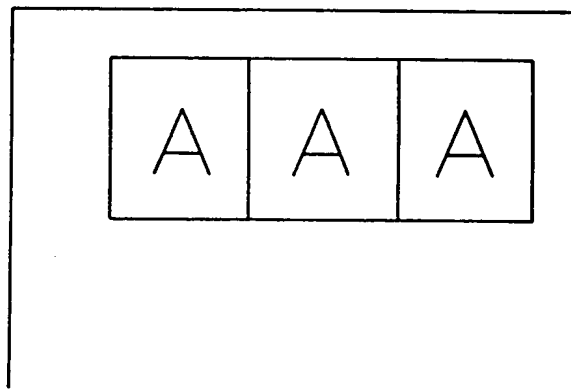


FIG. 21A

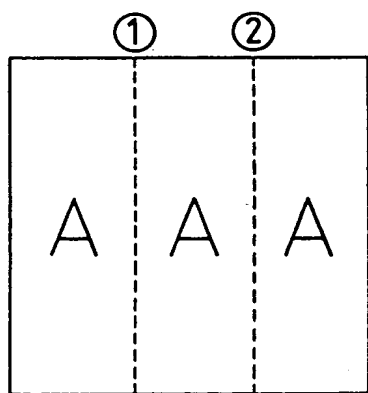


FIG. 21B

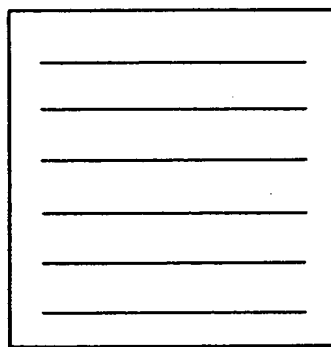


FIG. 21C

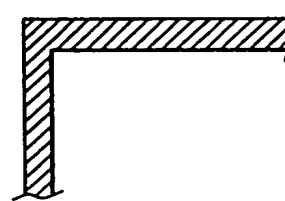
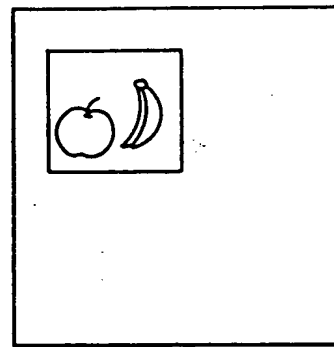




FIG. 22

START  
▽

ITOP  
(551)



IMAGE  
FORMING  
PROCESS

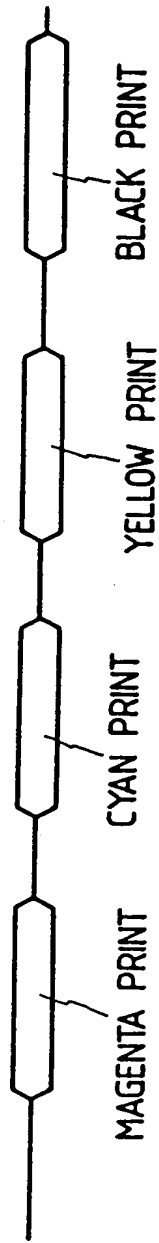
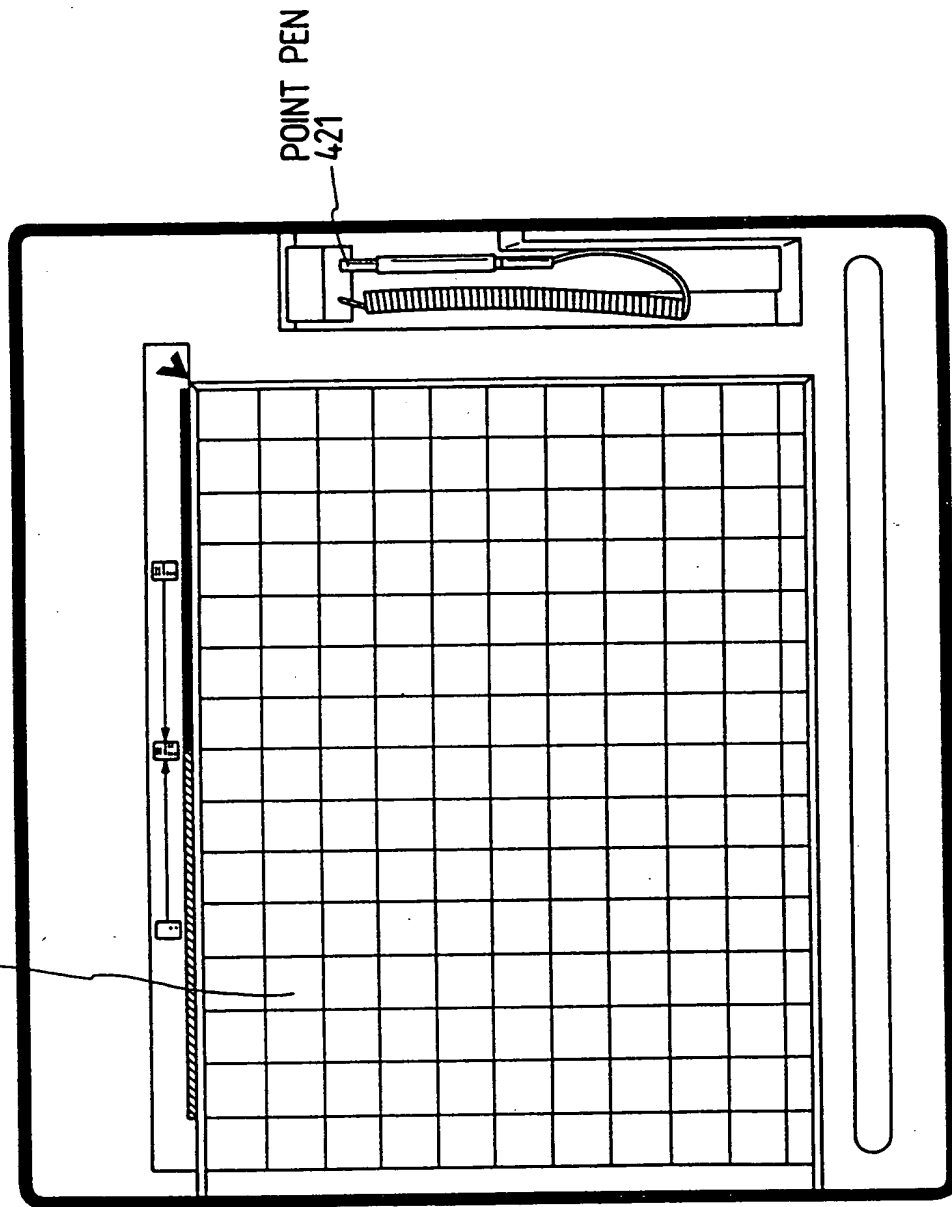


FIG. 23

MODE SETTING SURFACE  
420



POINT PEN  
421

16

FIG. 24

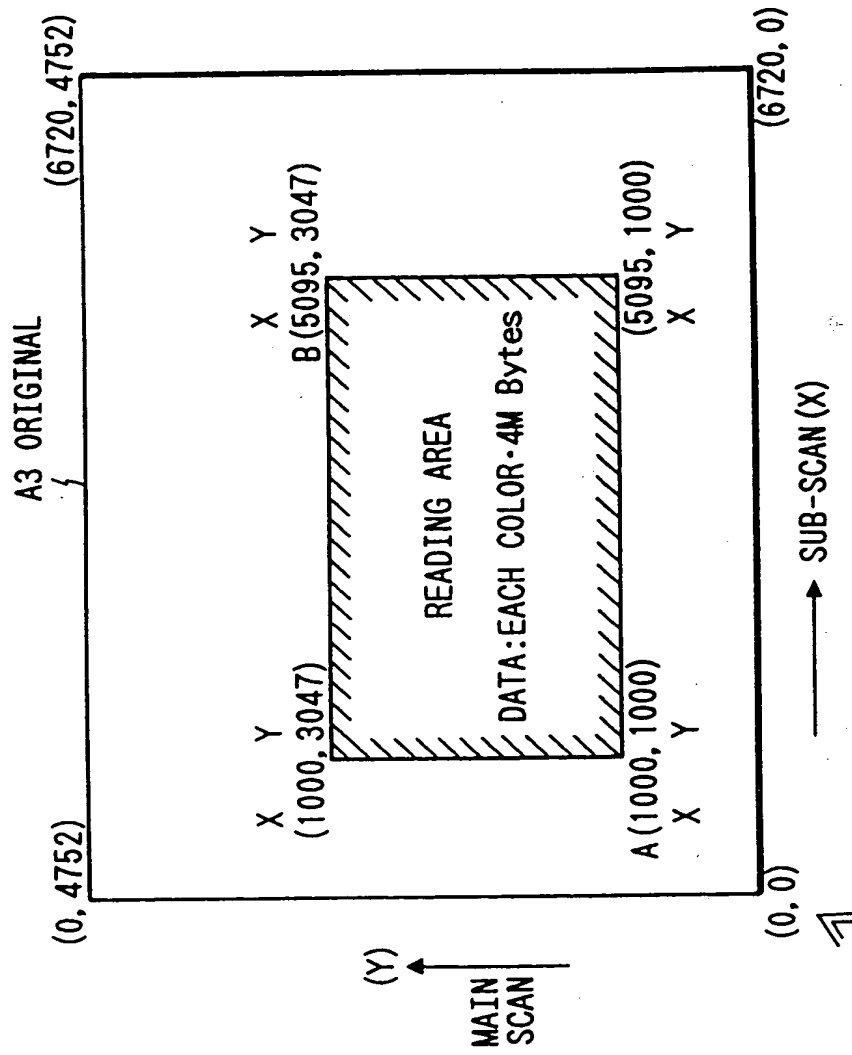


FIG. 25A

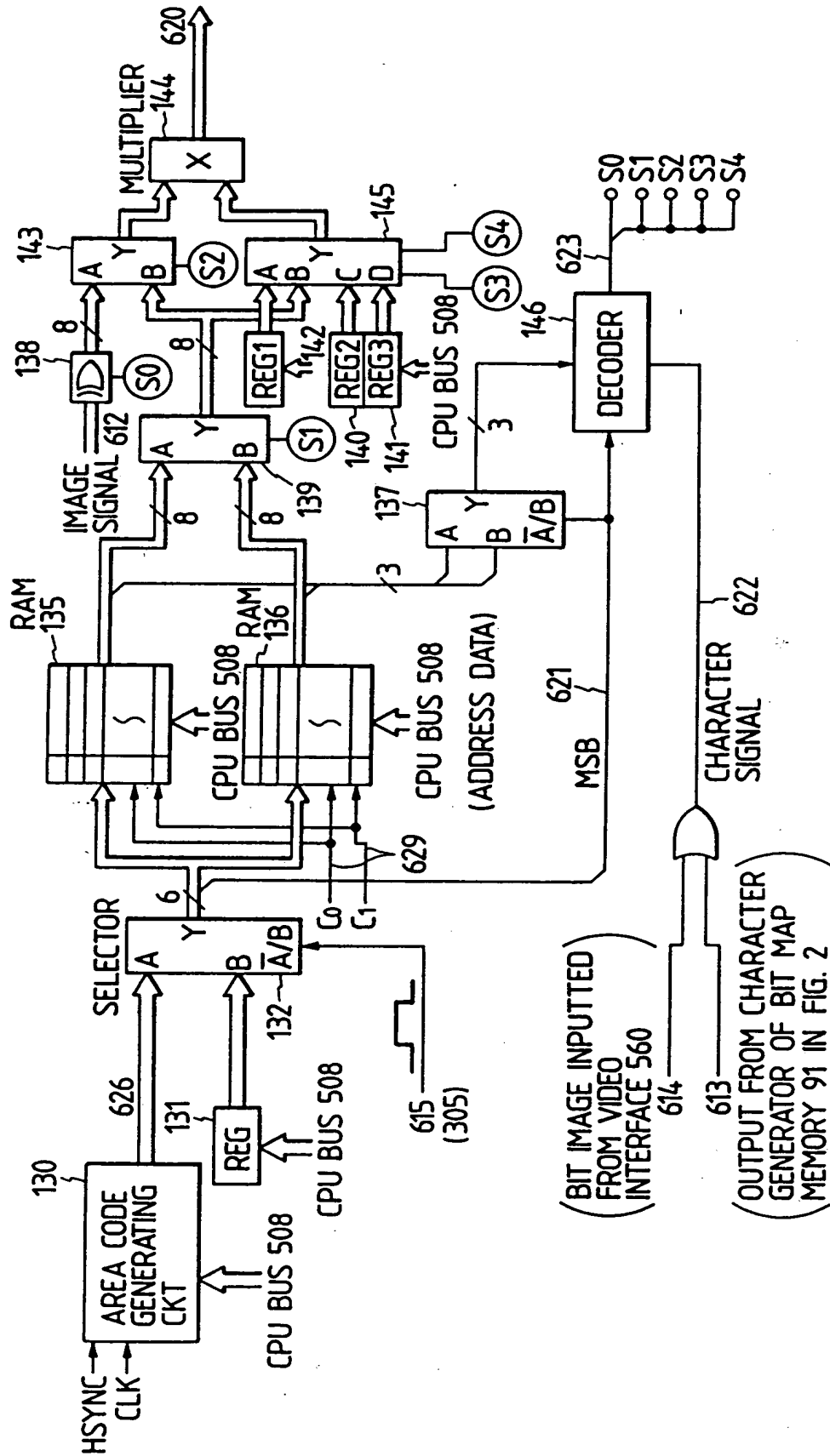


FIG. 25B

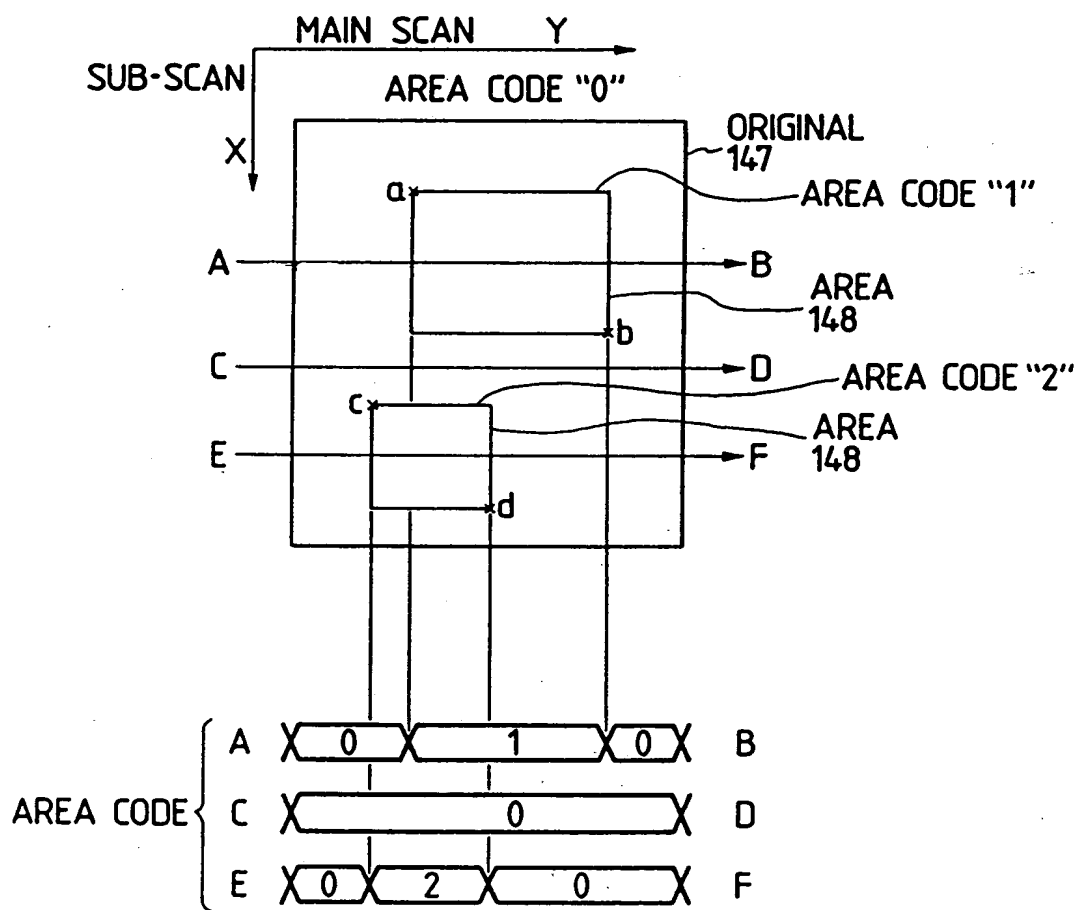


FIG. 25C

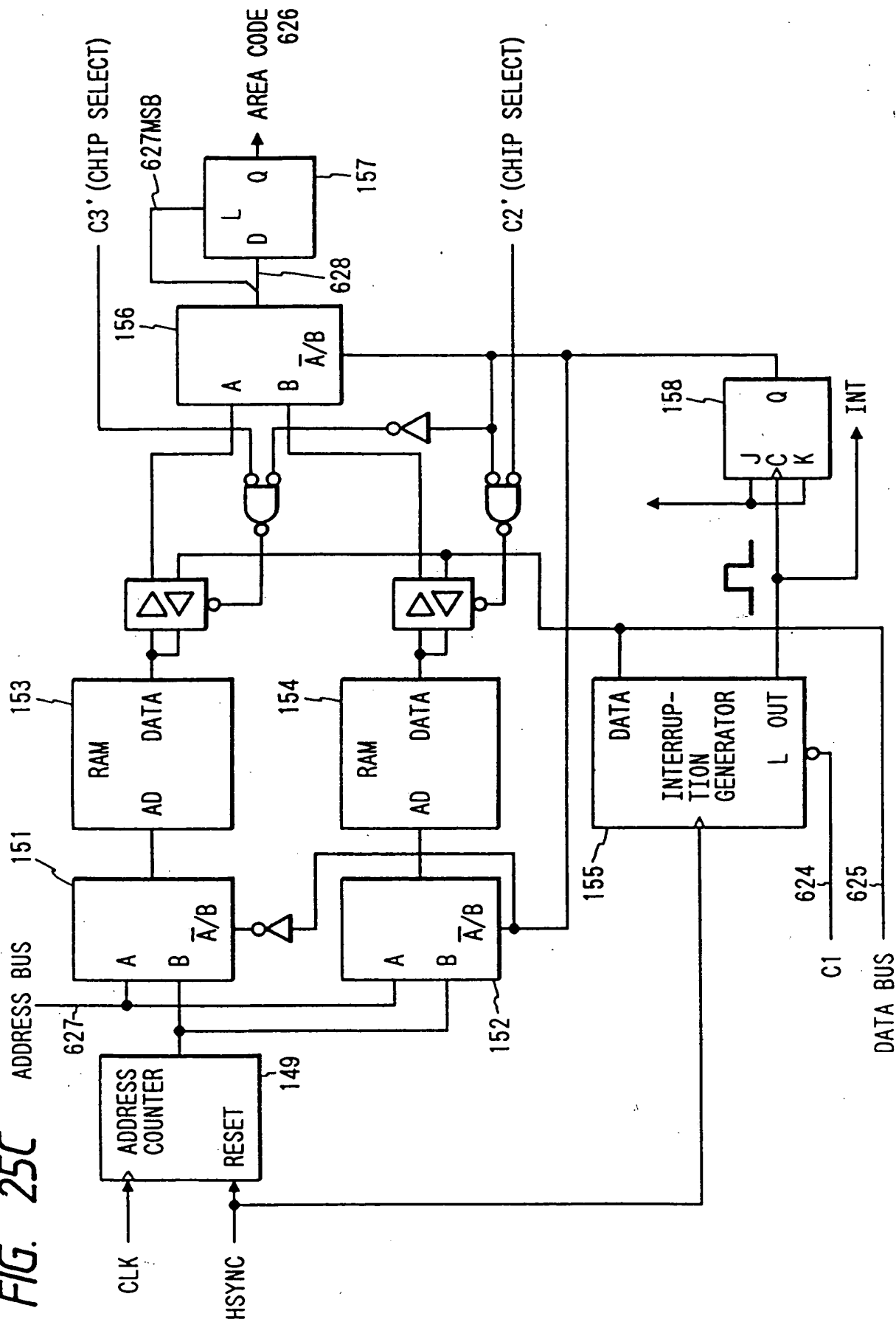


FIG. 25D

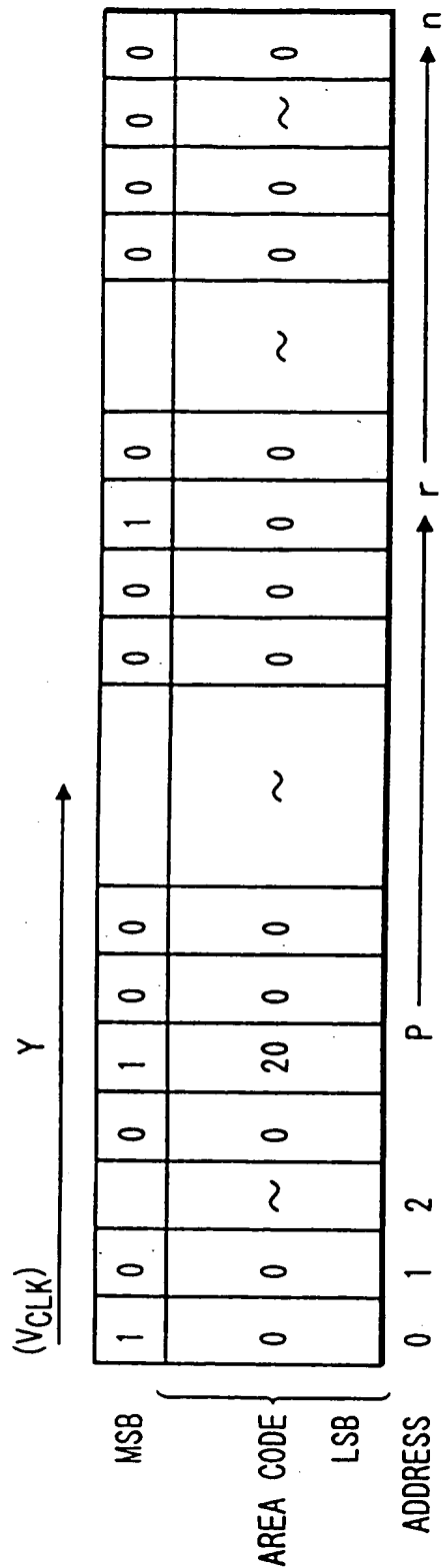


FIG. 25E

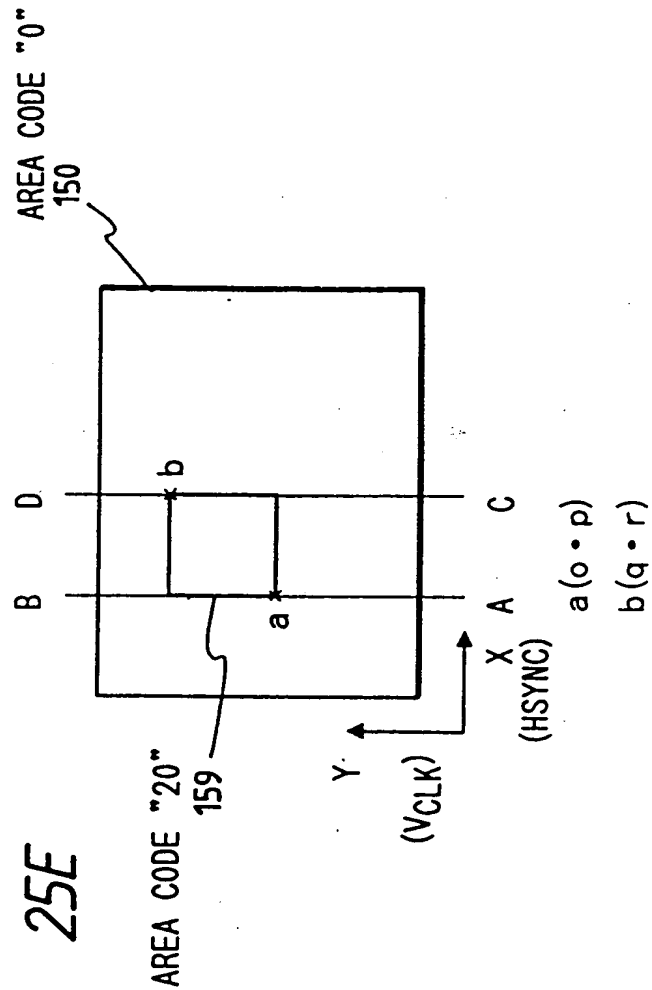


FIG. 25F

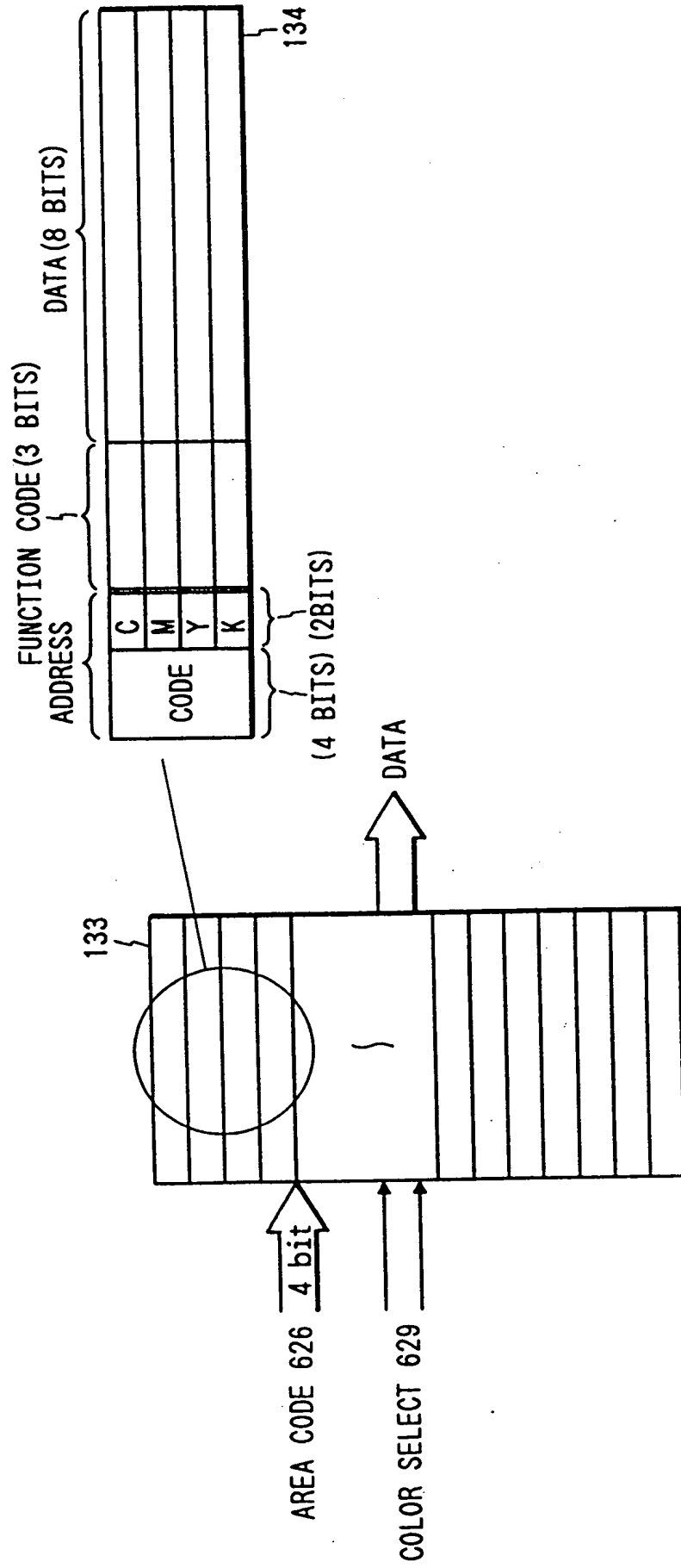




FIG. 25G

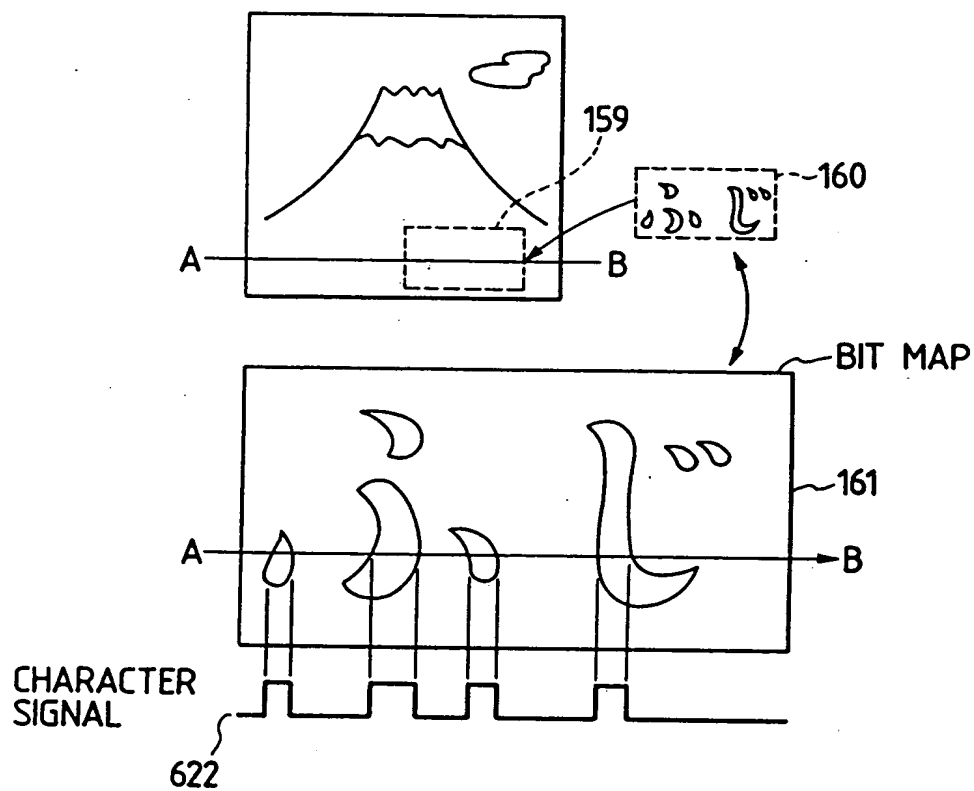


FIG. 25H

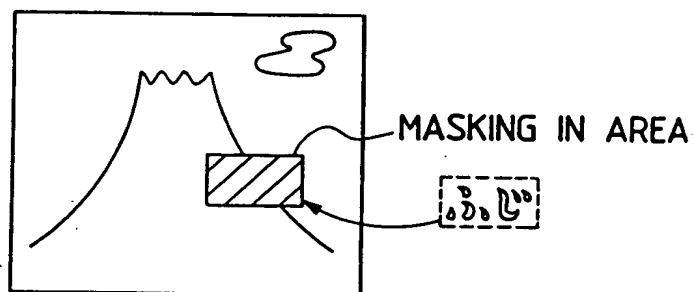


FIG. 25I

	INPUT			OUTPUT				
	FUNCTION CODE	CHARACTER SIGNAL	MSB	S0	S1	S2	S3	S4
1	0 0 0		0	0	0	0	1	0
			1		1			
2	0 0 1		0	0	0	1	0	0
			1		1			
3	0 1 0	0	0	0	0	0	1	0
			1		1			
4	0 1 1	1	0	0	1	1	0	1
			1		0			
5	1 0 0		0	1	0	0	1	0
			1		1			
6	1 0 1	0	0	1	0	0	1	0
			1		1			
		1	0	1	0	0	0	1
			1		0			

FIG. 26

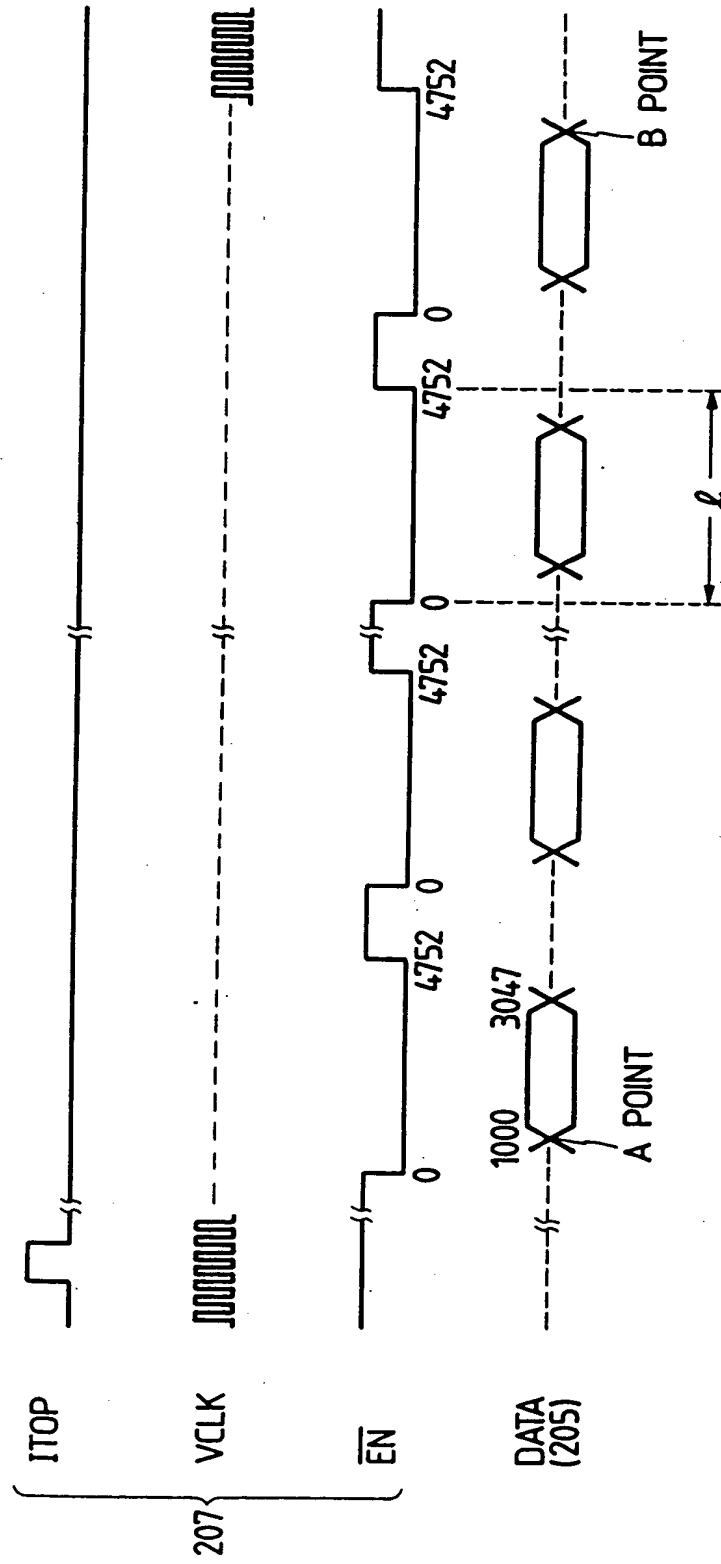


FIG. 27A

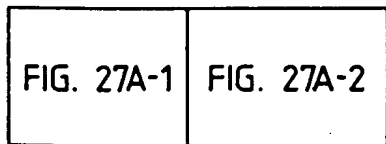


FIG. 27A-1

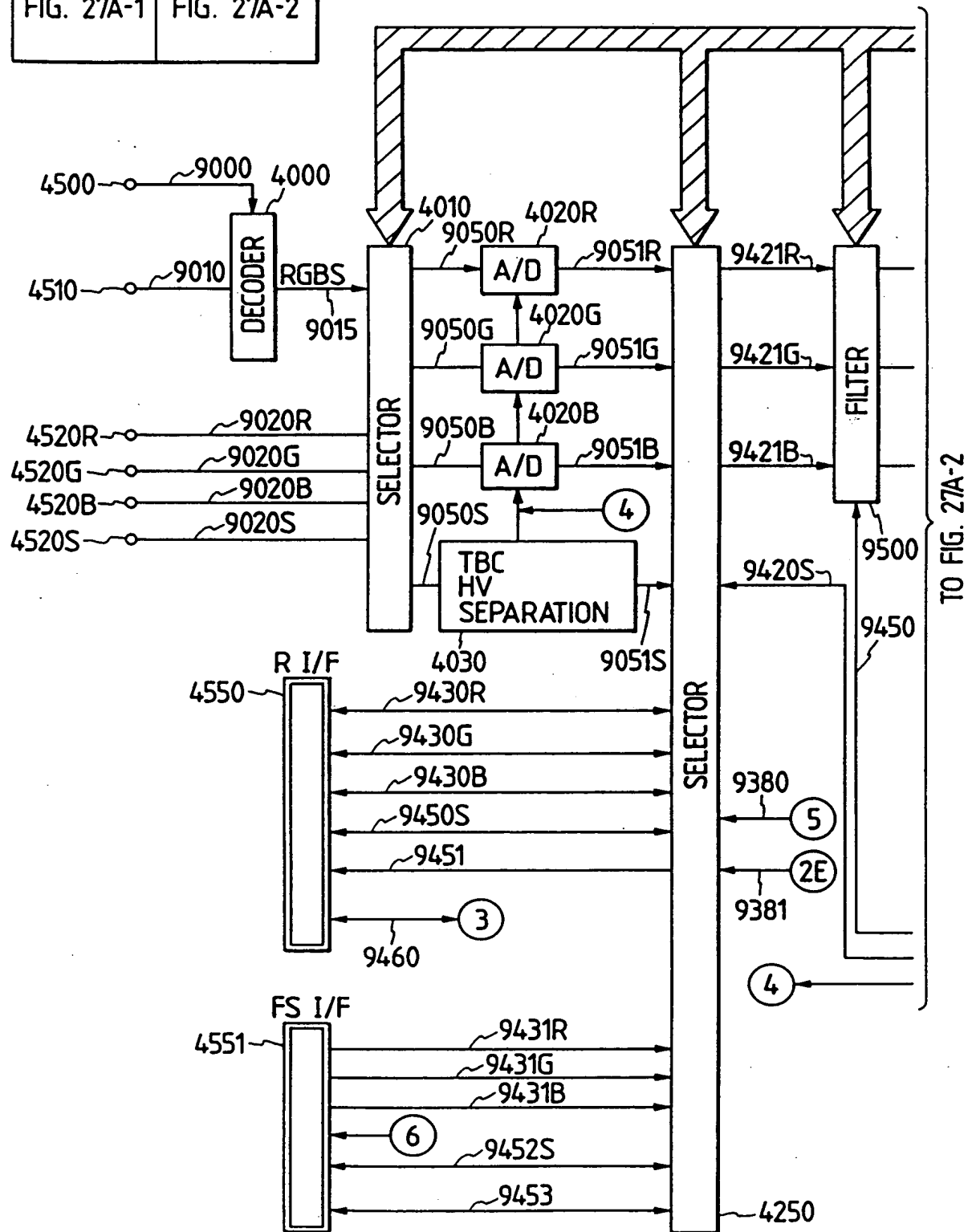


FIG. 27A-2

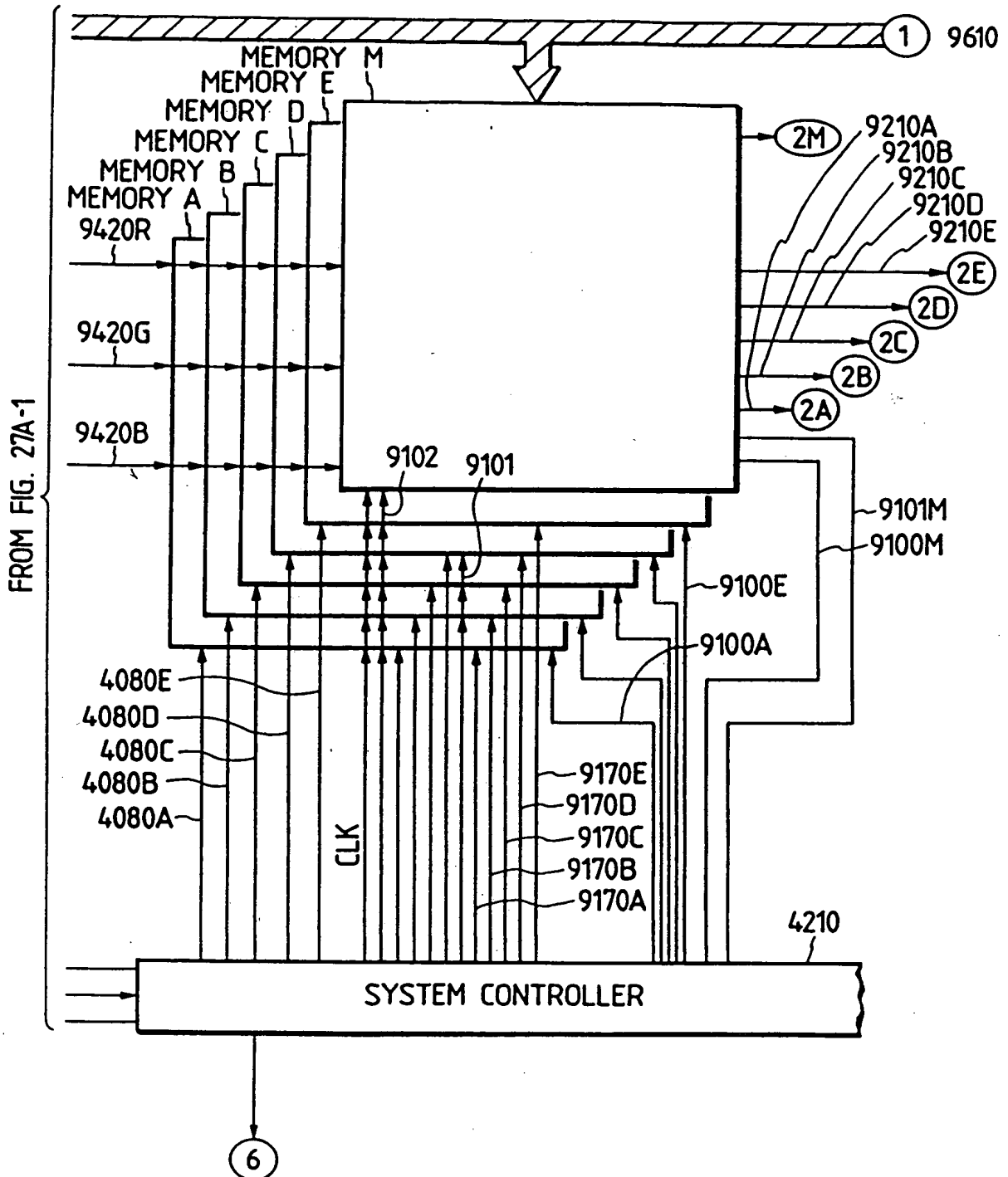
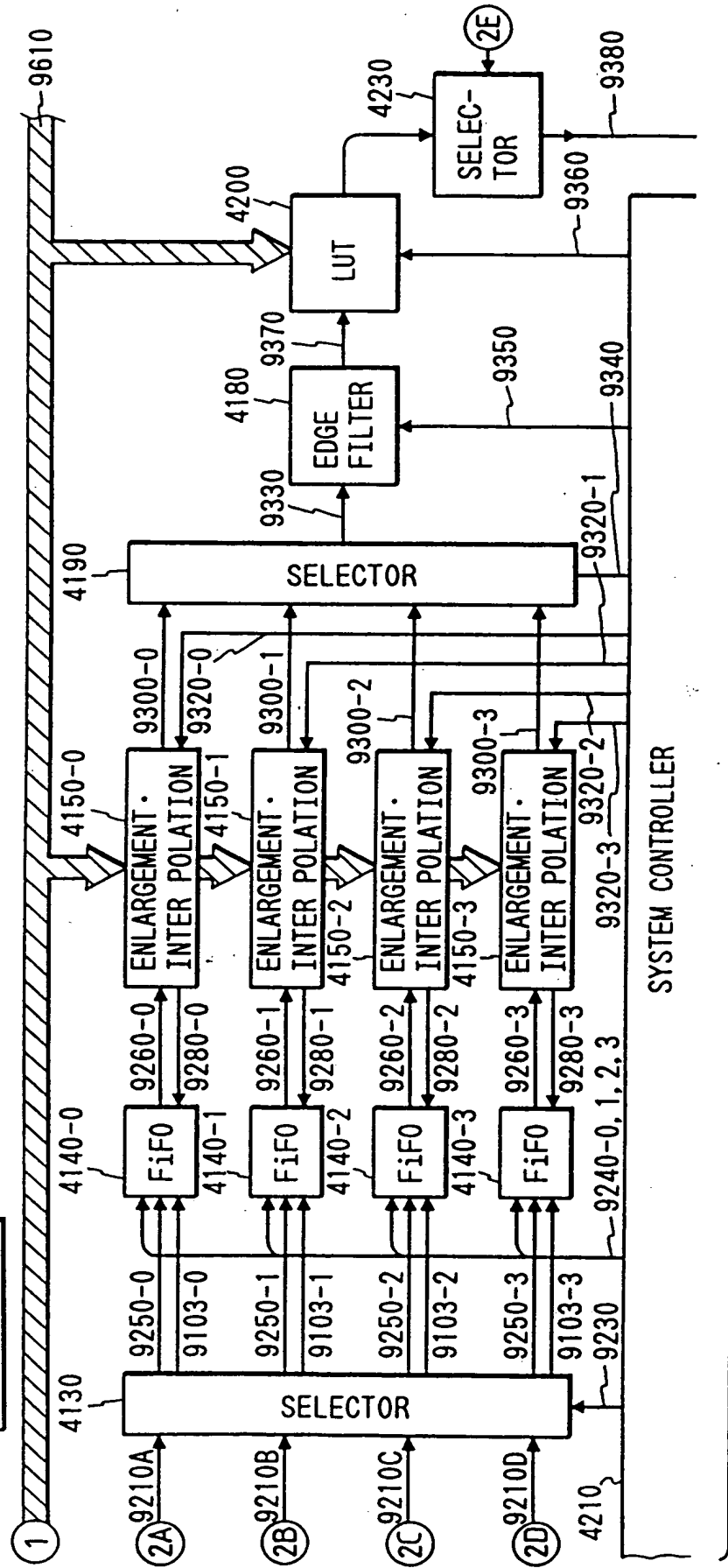


FIG. 27B

FIG. 27B-1
FIG. 27B-2

FIG. 27B-1



TO FIG. 27B-2

**FIG. 27B-2**

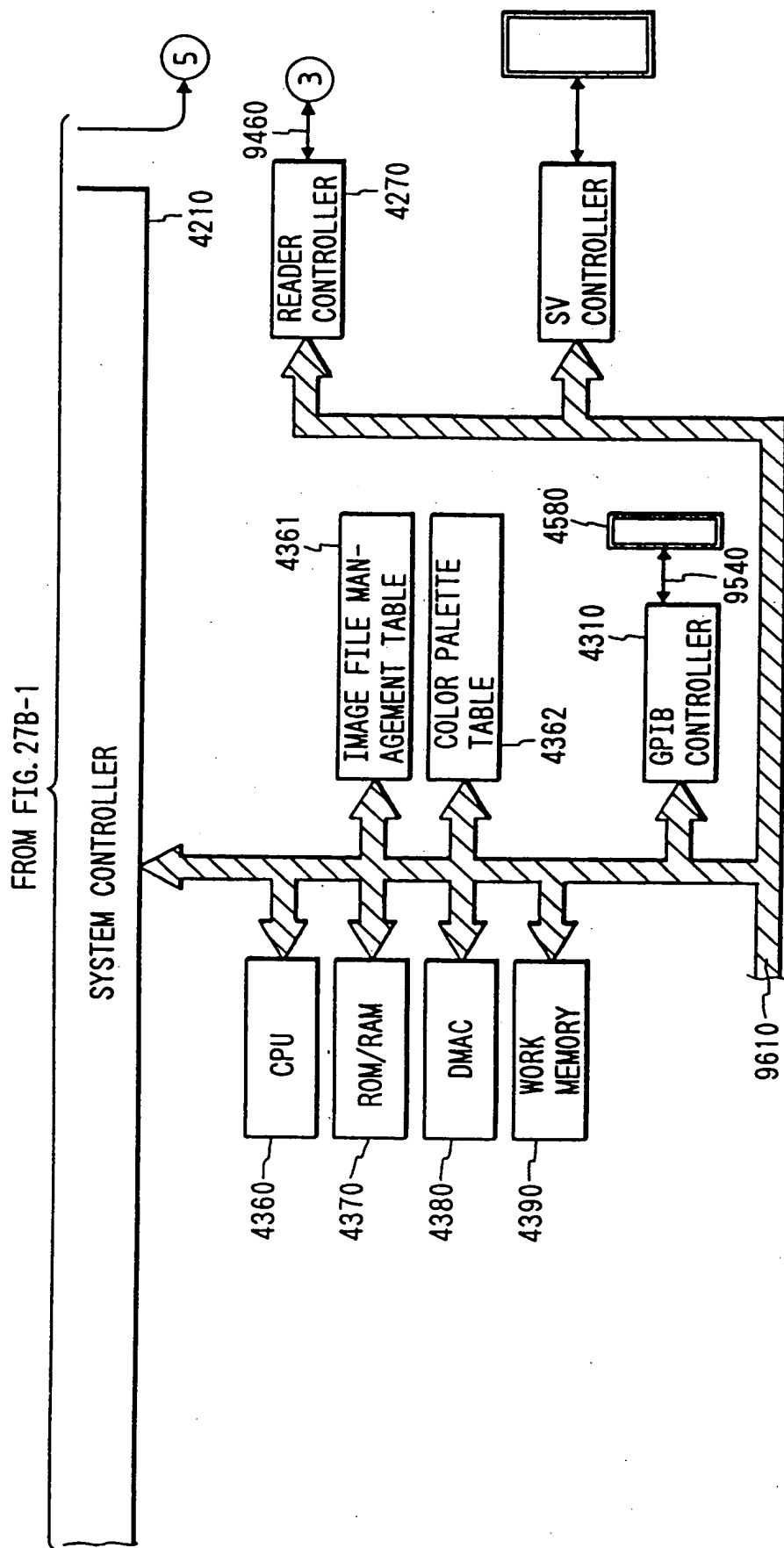


FIG. 27C

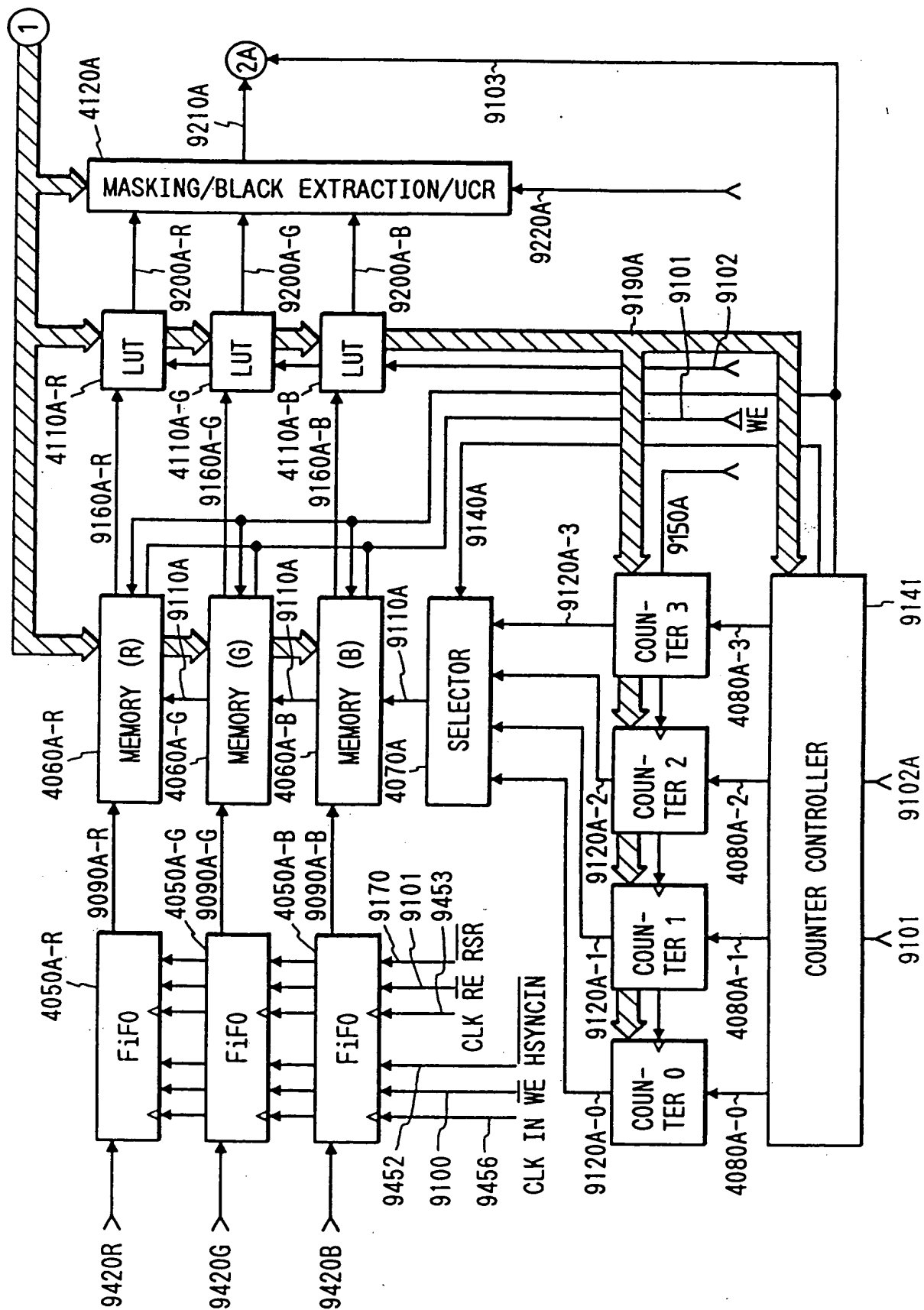




FIG. 27D-1

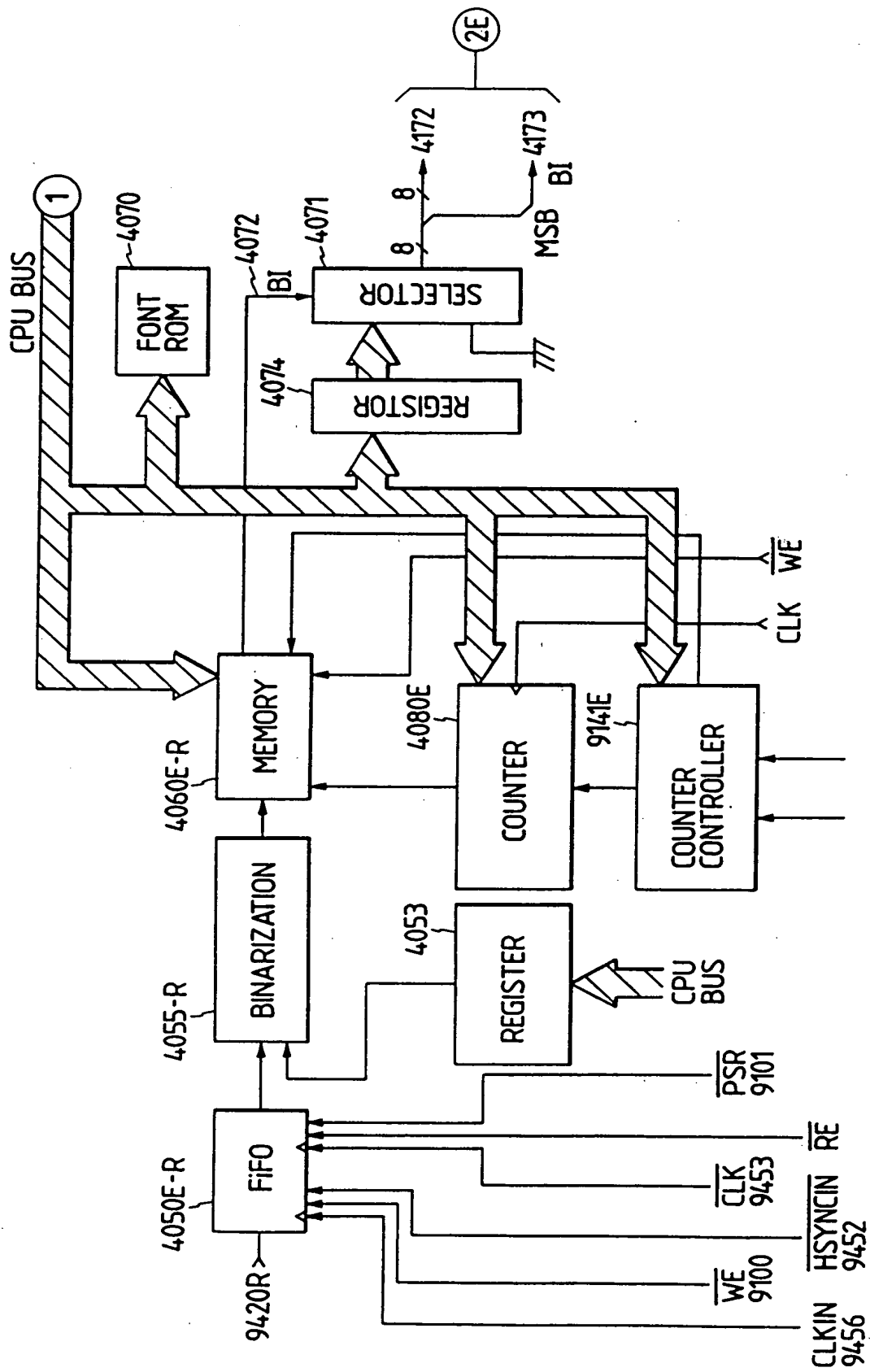
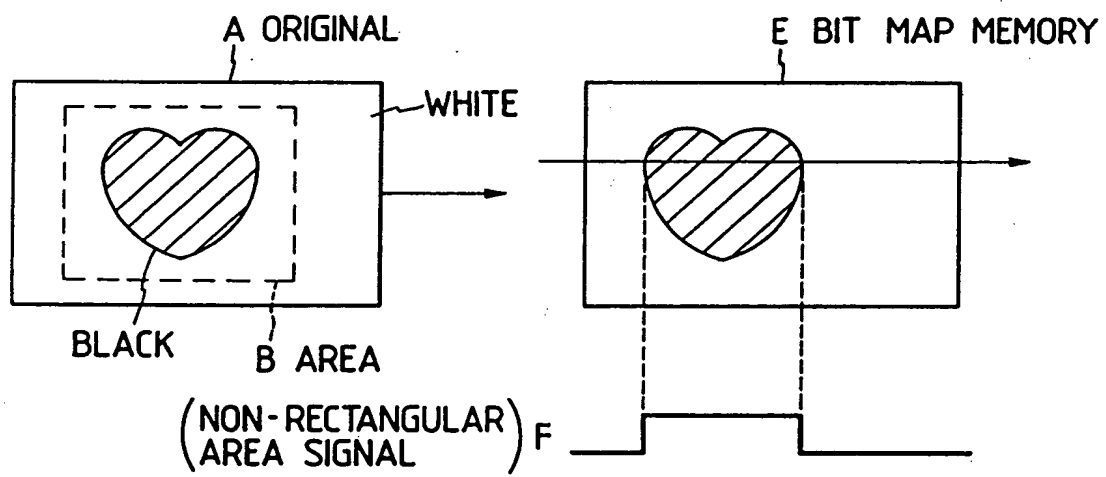


FIG. 27D-2



2M

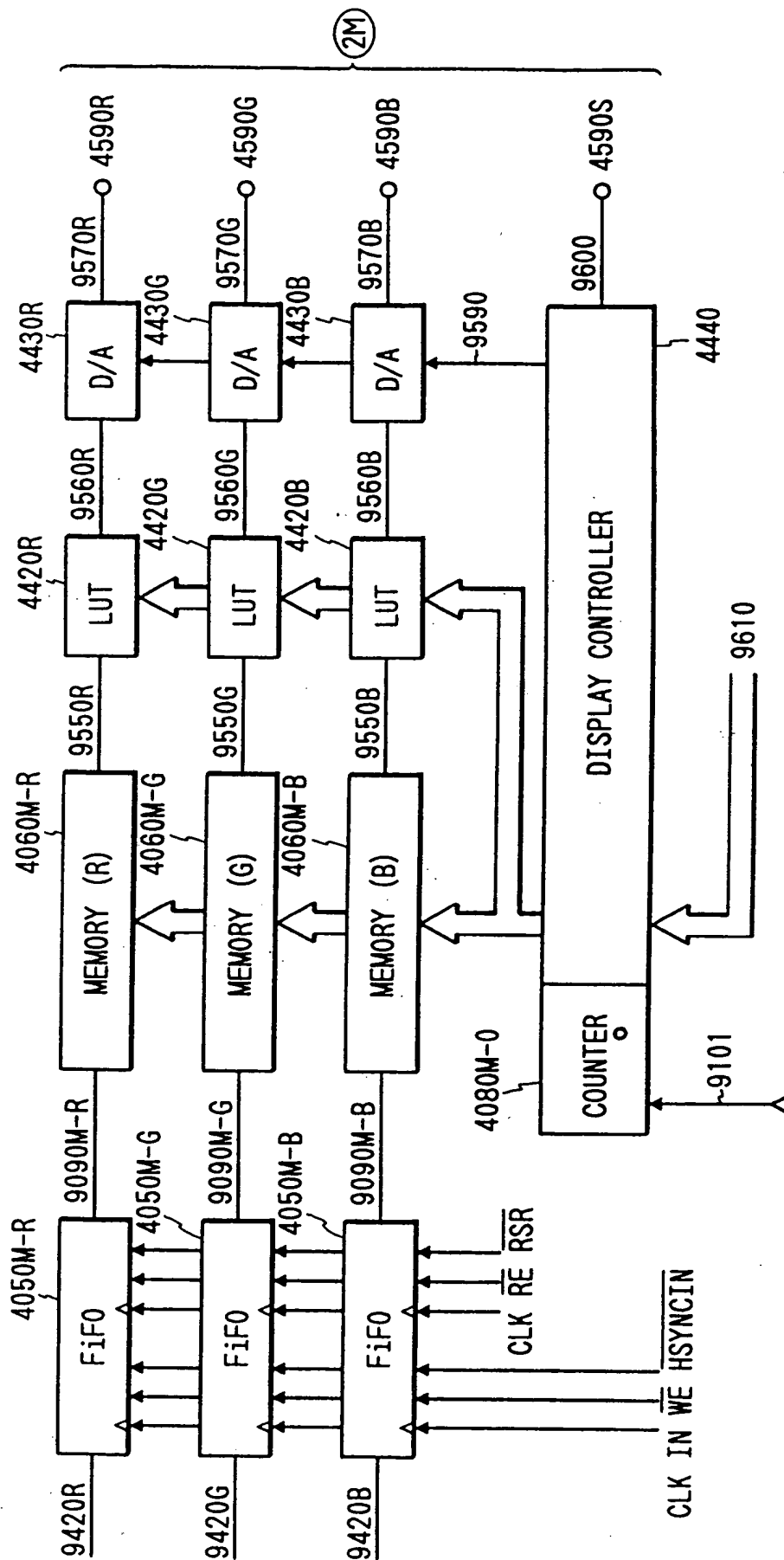


FIG. 27F

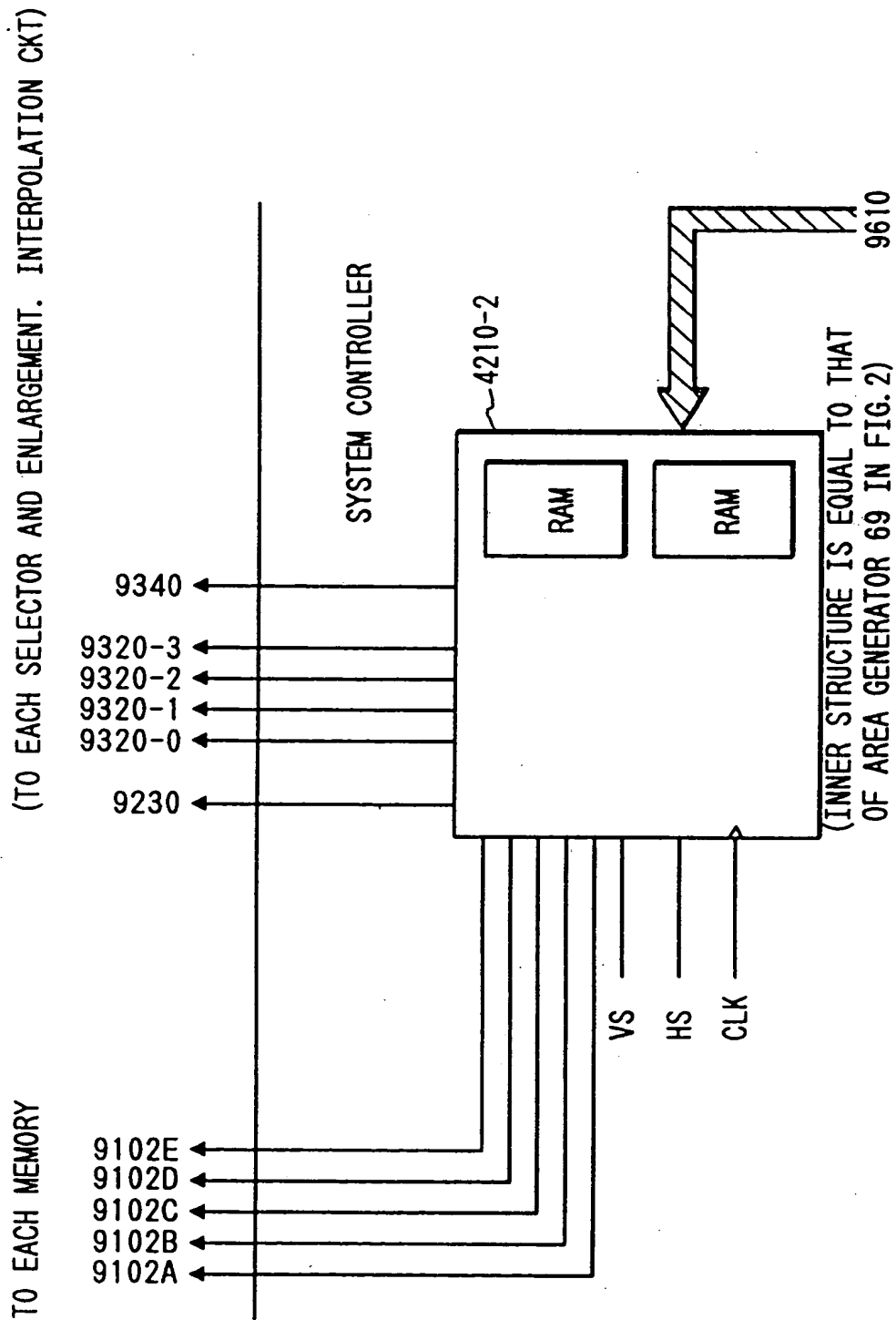


FIG. 28A

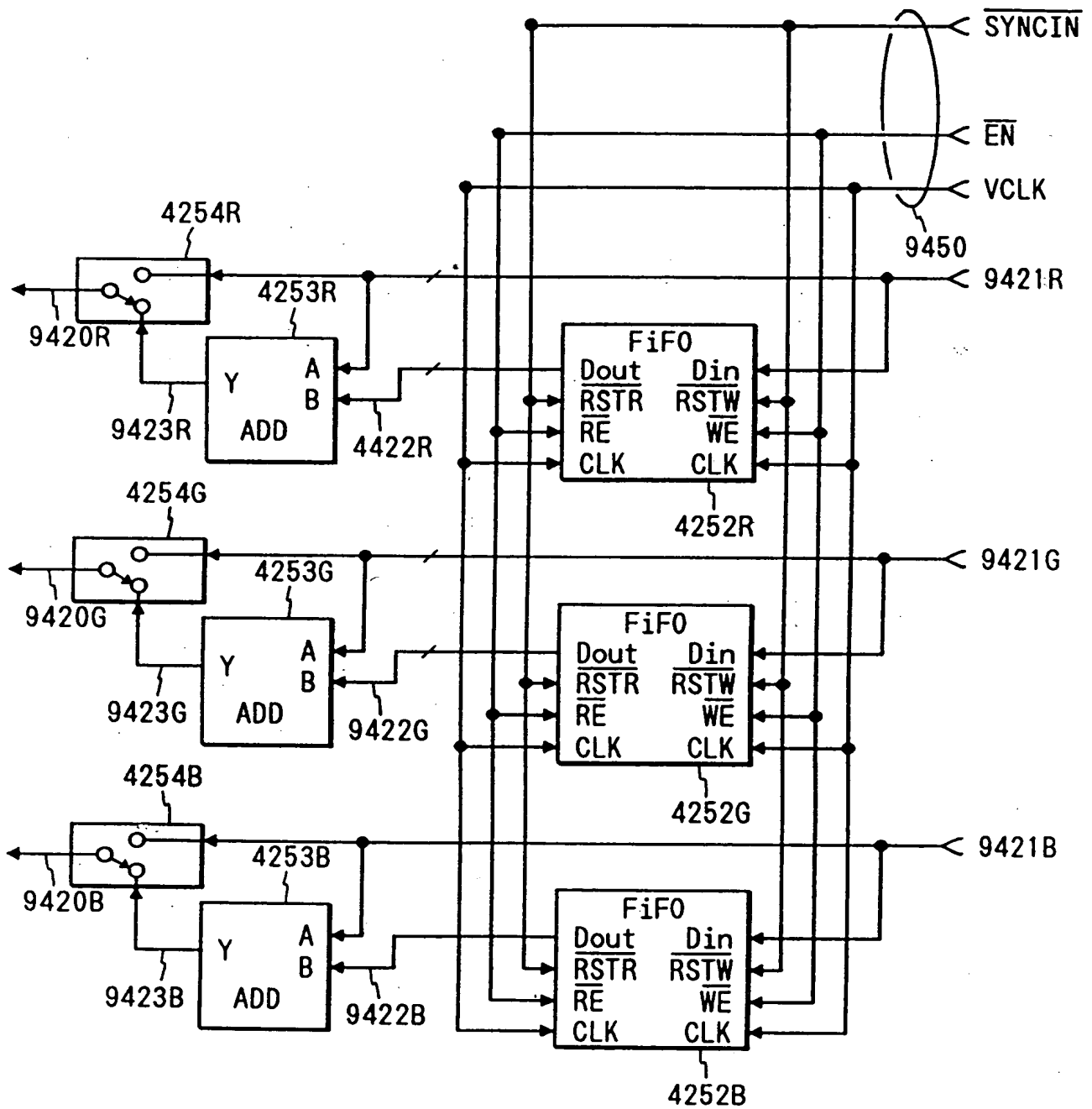


FIG. 28B

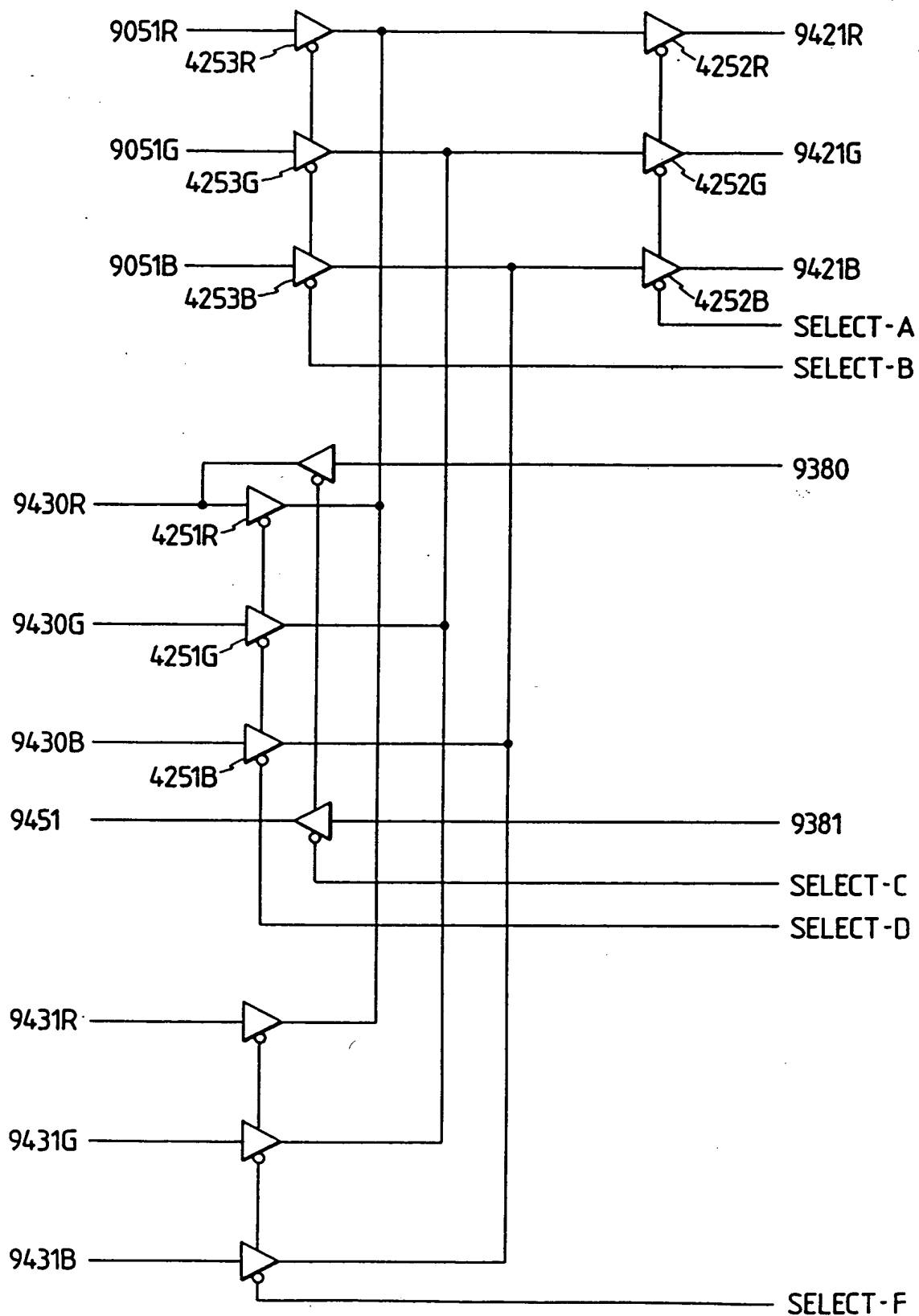


FIG. 28C

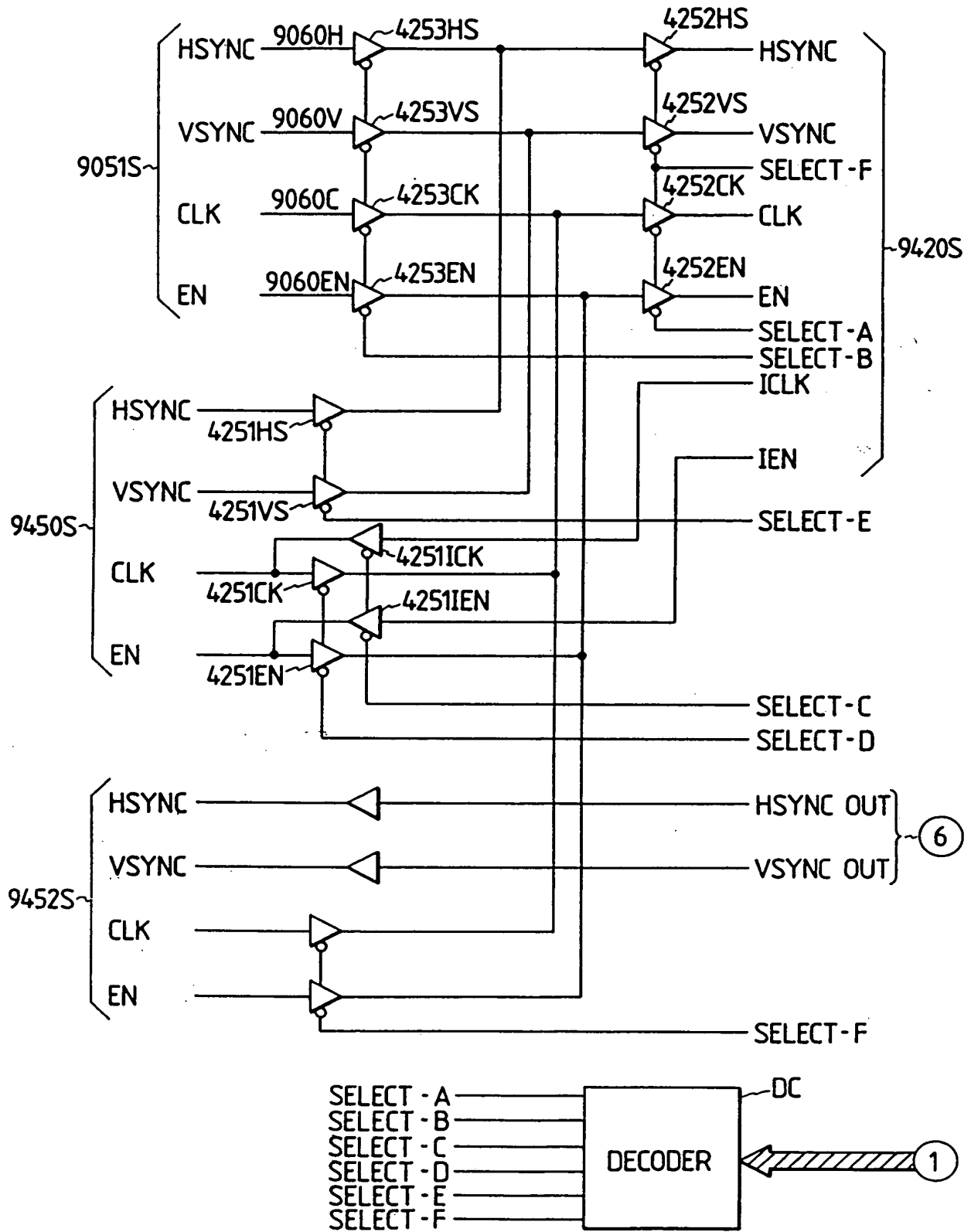


FIG. 29

FIG. 29A
FIG. 29B

FIG. 29A

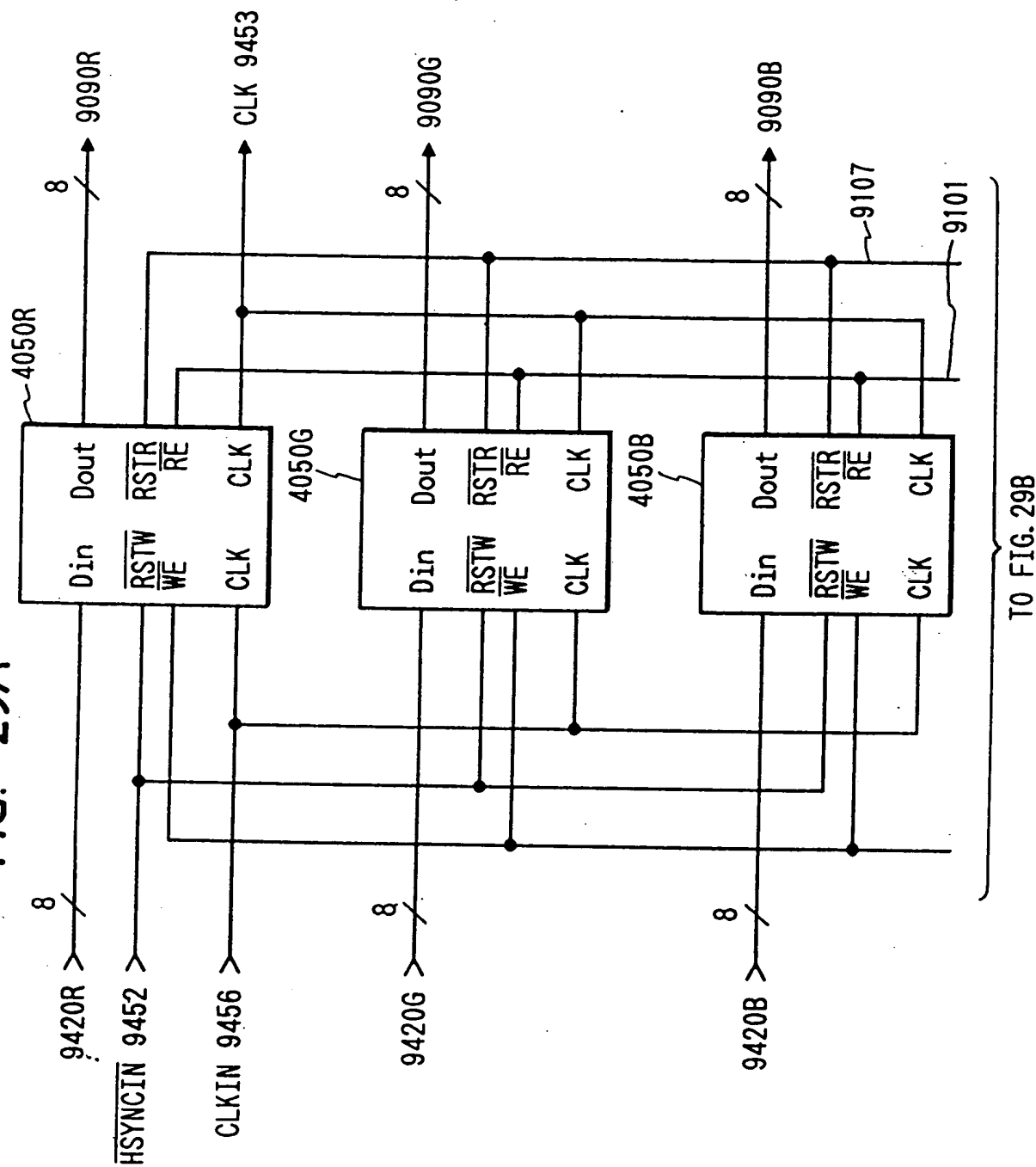




FIG. 29B

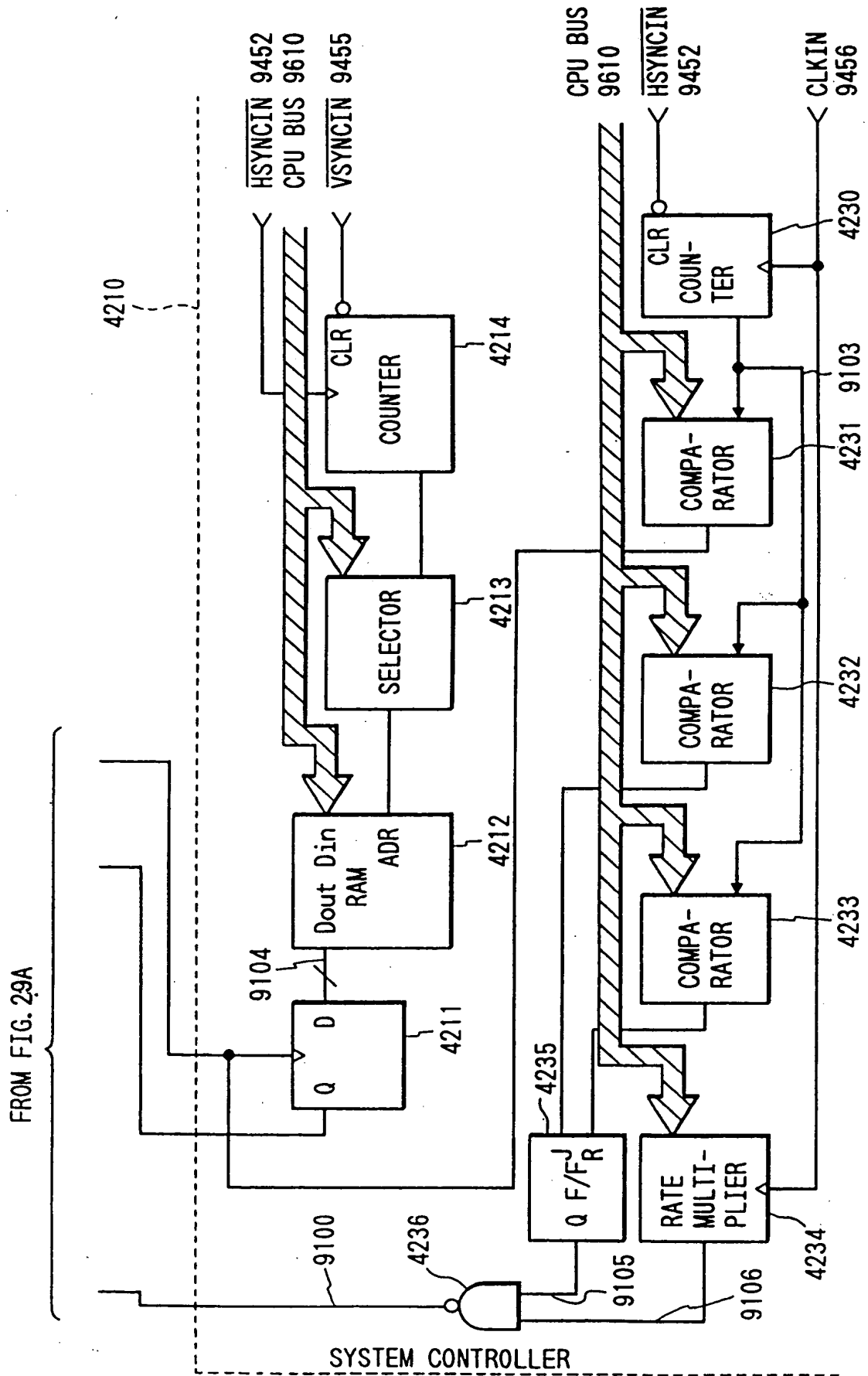


FIG. 30

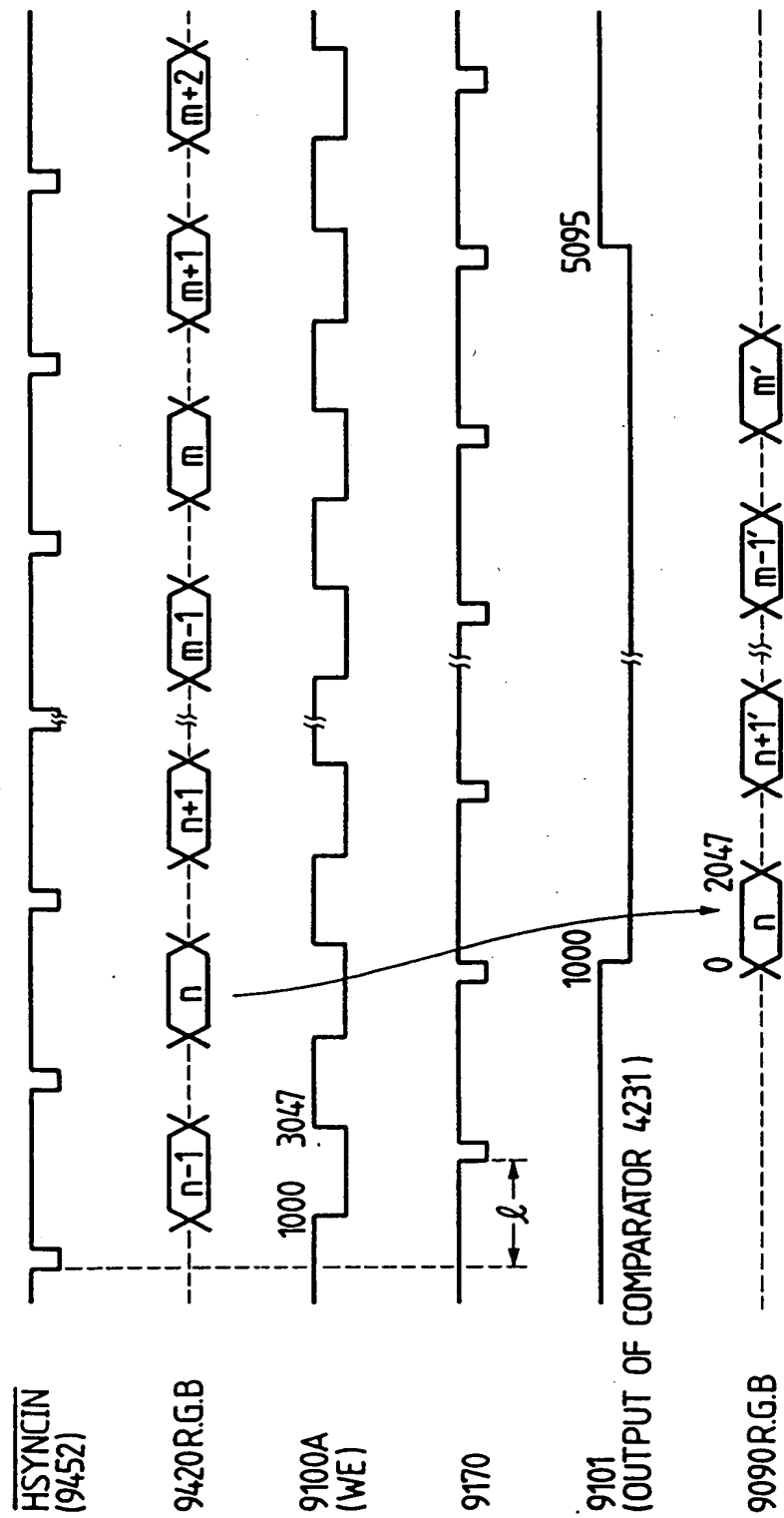


FIG. 31

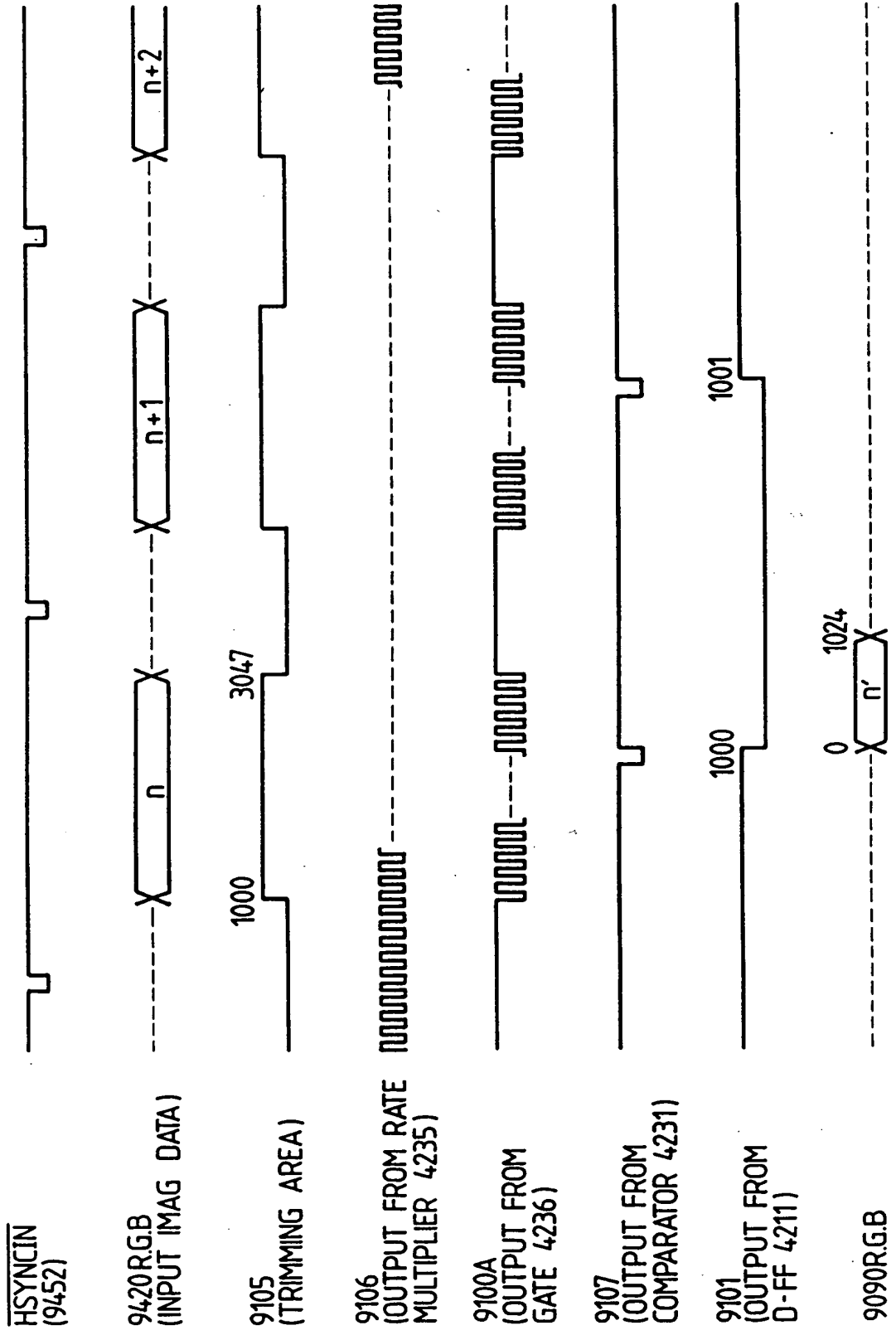


FIG. 32

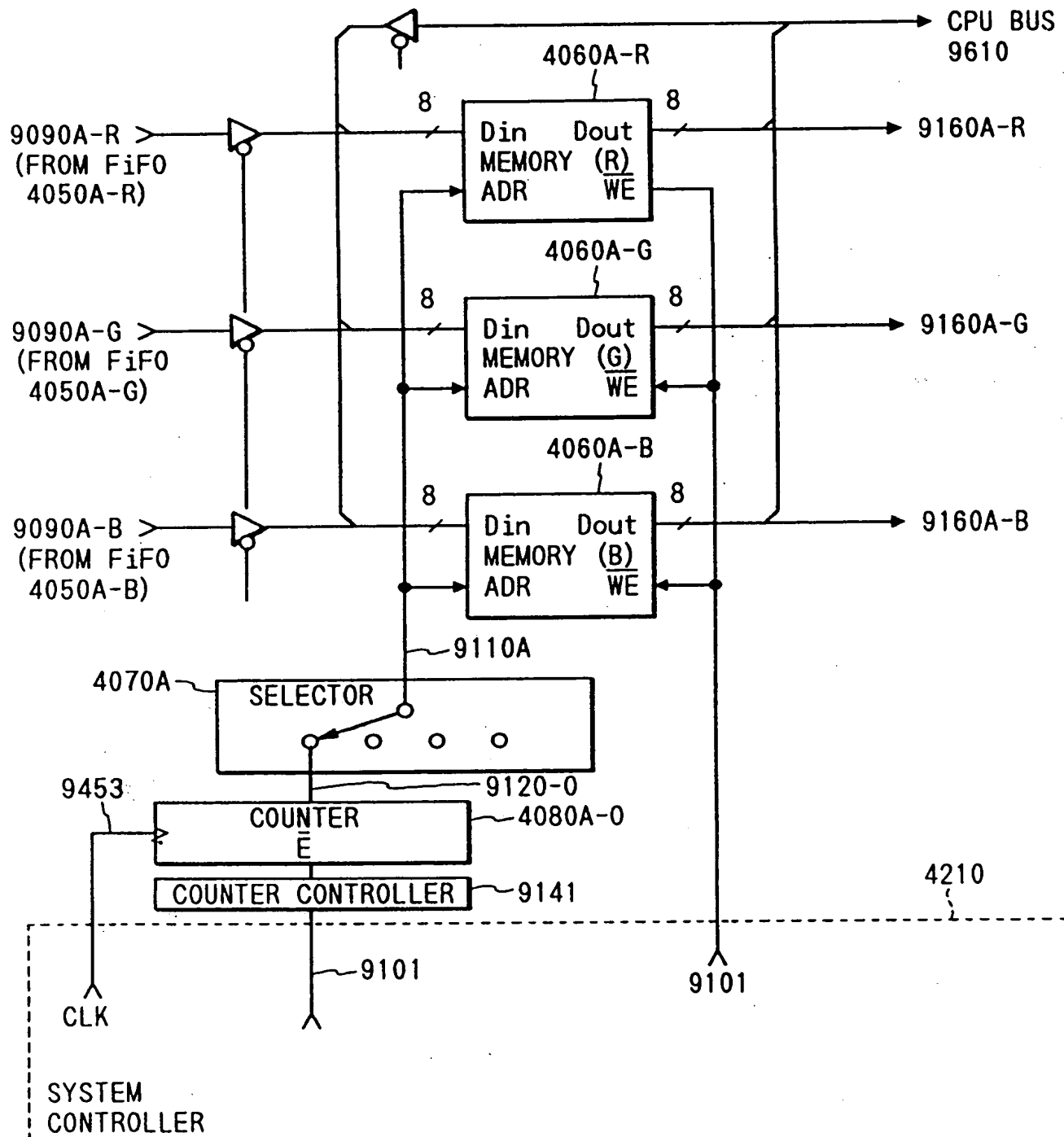


FIG. 33

	MEMORY (R) 4060R	MEMORY (G) 4060G	MEMORY (B) 4060B
2M	IMAGE 15	IMAGE 15	IMAGE 15
1.875M	IMAGE 14	IMAGE 14	IMAGE 14
1.75M	IMAGE 13	IMAGE 13	IMAGE 13
1.625M	IMAGE 12	IMAGE 12	IMAGE 12
1.5M	IMAGE 11	IMAGE 11	IMAGE 11
1.375M	IMAGE 10	IMAGE 10	IMAGE 10
1.25M	IMAGE 9	IMAGE 9	IMAGE 9
1.125M	IMAGE 8	IMAGE 8	IMAGE 8
1M	IMAGE 7	IMAGE 7	IMAGE 7
0.875M	IMAGE 6	IMAGE 6	IMAGE 6
0.75M	IMAGE 5	IMAGE 5	IMAGE 5
0.625M	IMAGE 4	IMAGE 4	IMAGE 4
0.5M	IMAGE 3	IMAGE 3	IMAGE 3
0.375M	IMAGE 2	IMAGE 2	IMAGE 2
0.25M	IMAGE 1	IMAGE 1	IMAGE 1
0.125M	IMAGE 0	IMAGE 0	IMAGE 0
0			

*FIG. 34*

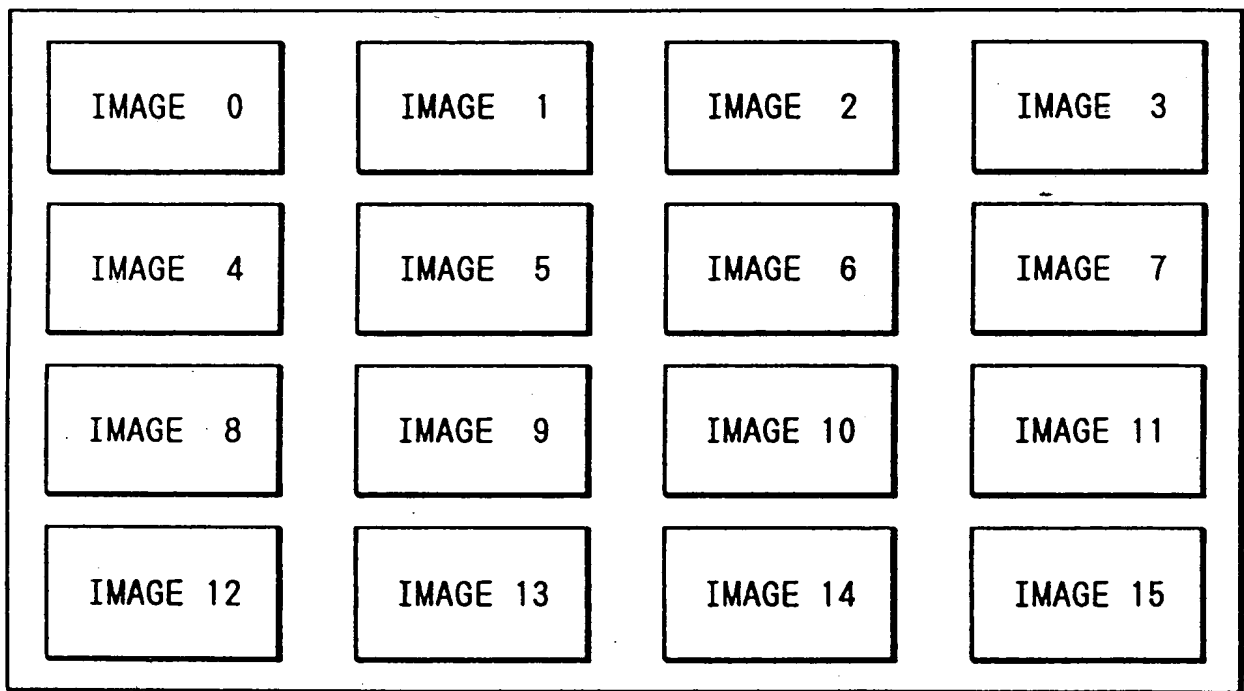


FIG. 35

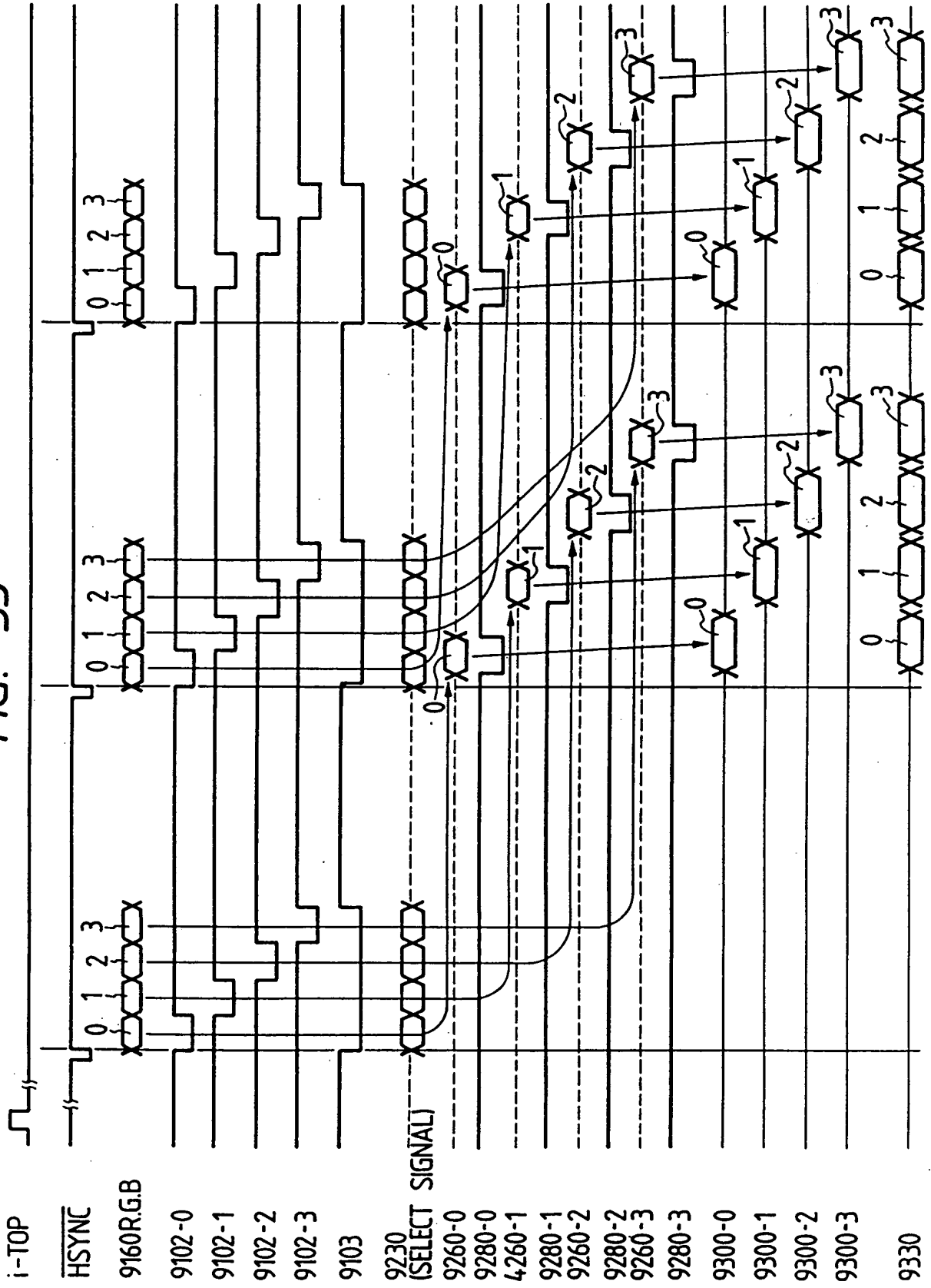


FIG. 36

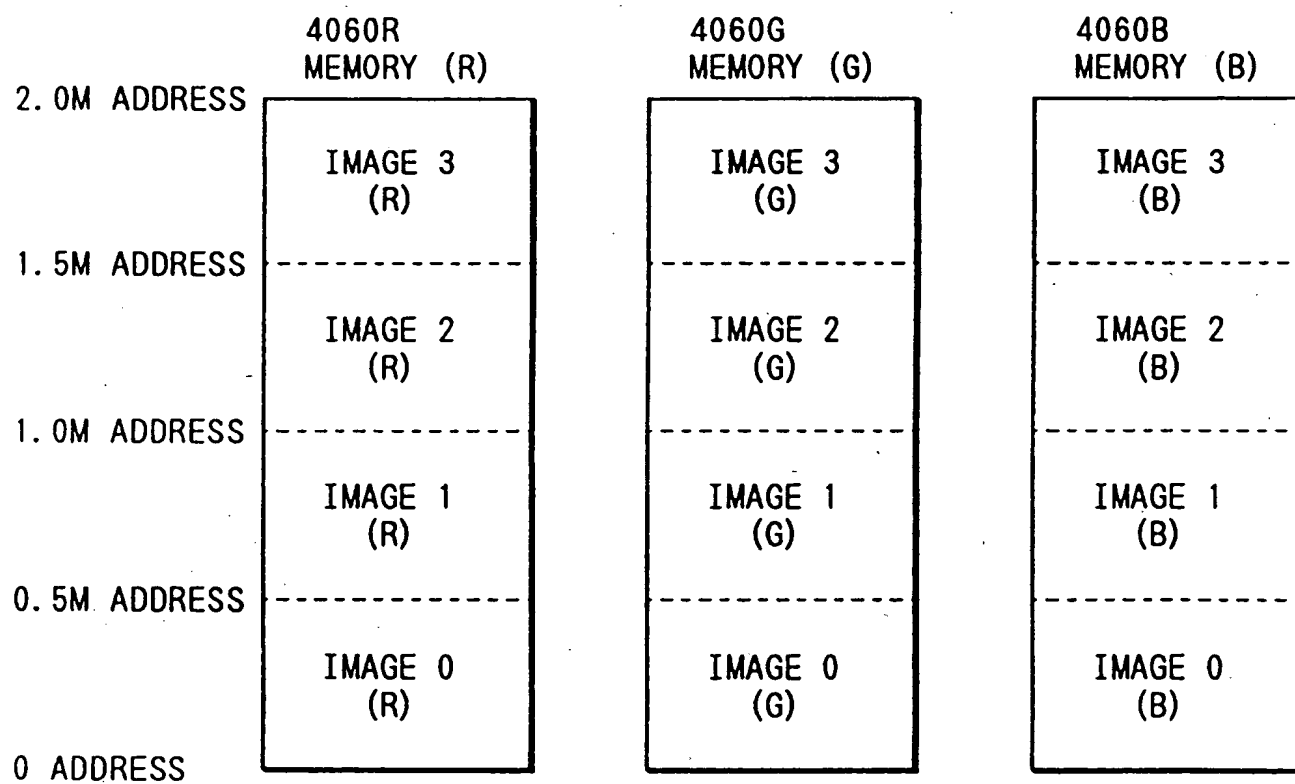




FIG. 37A

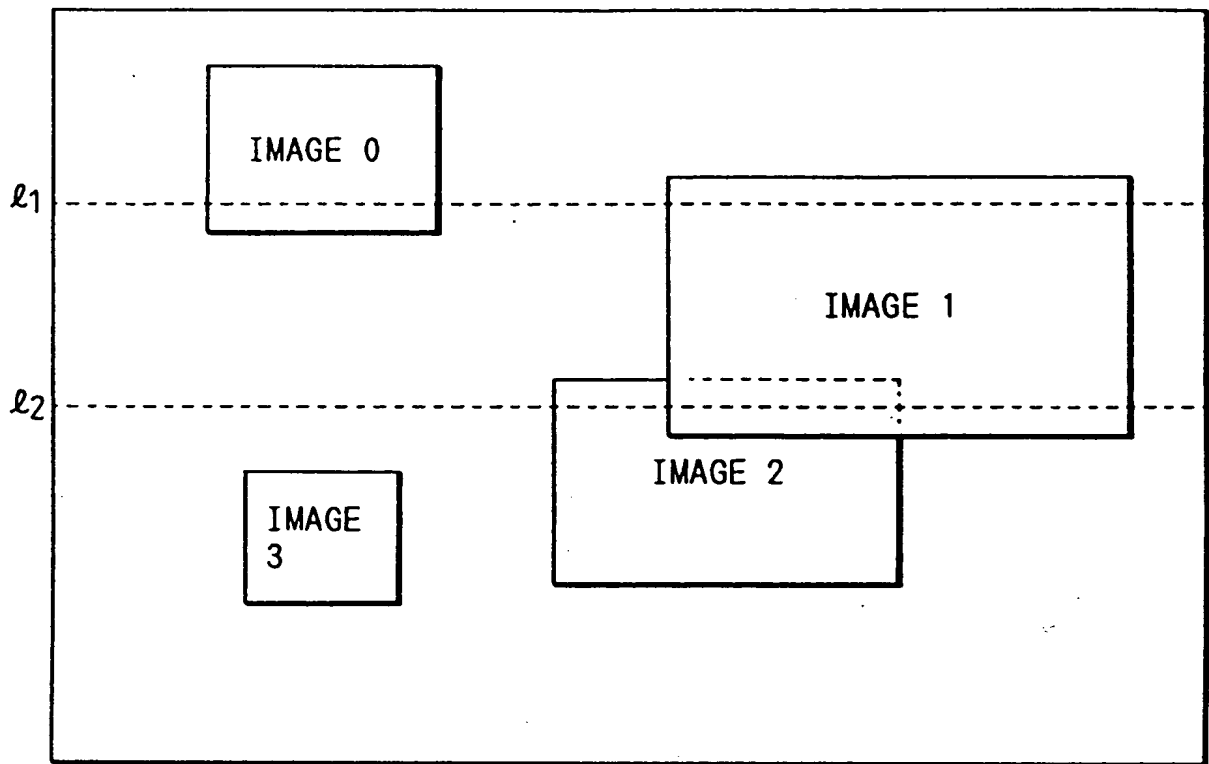


FIG. 37B

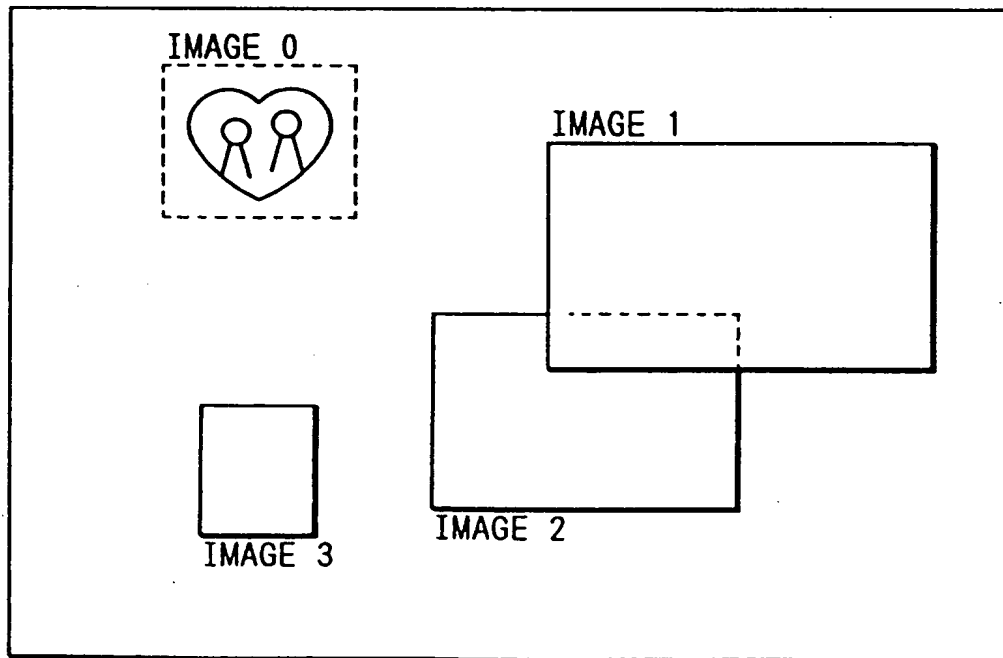


FIG. 37C

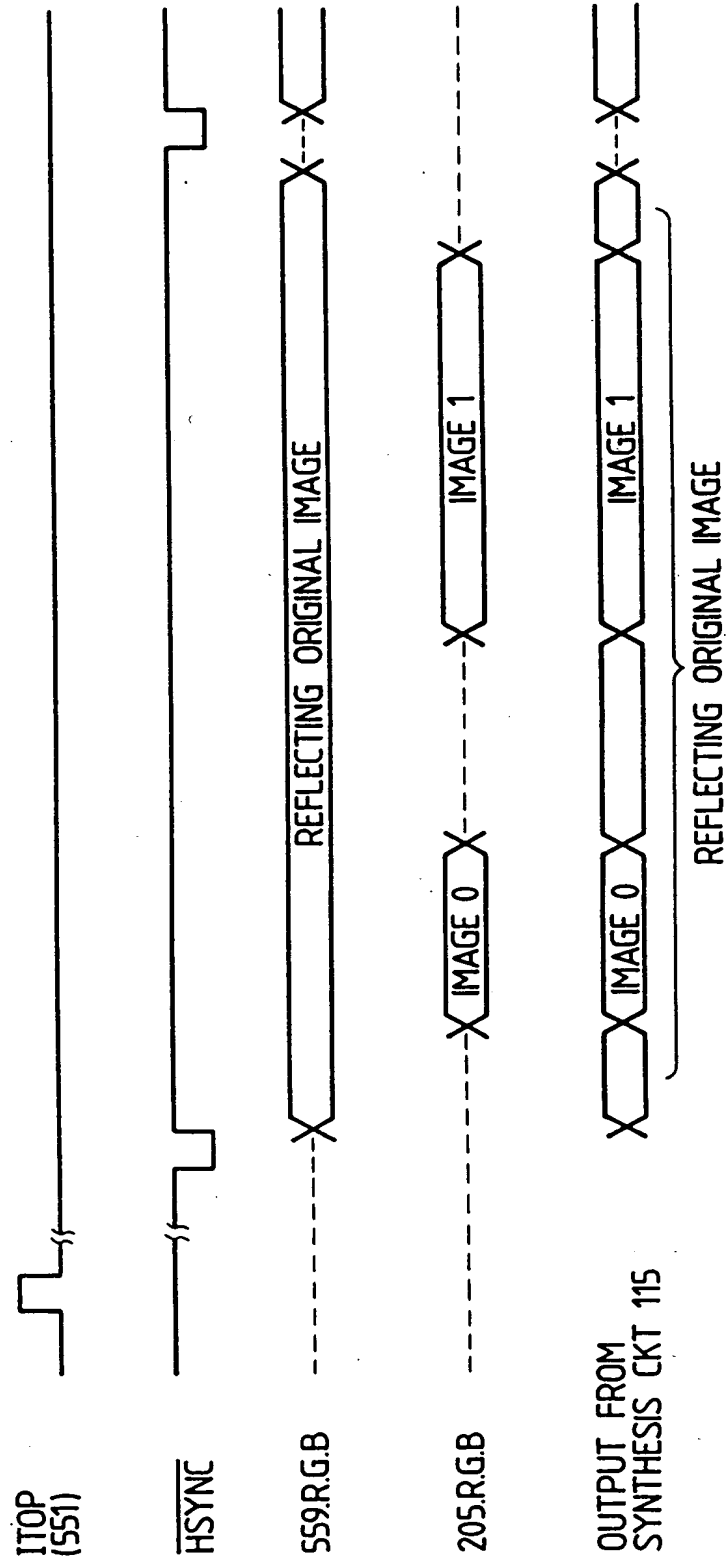


FIG. 37D

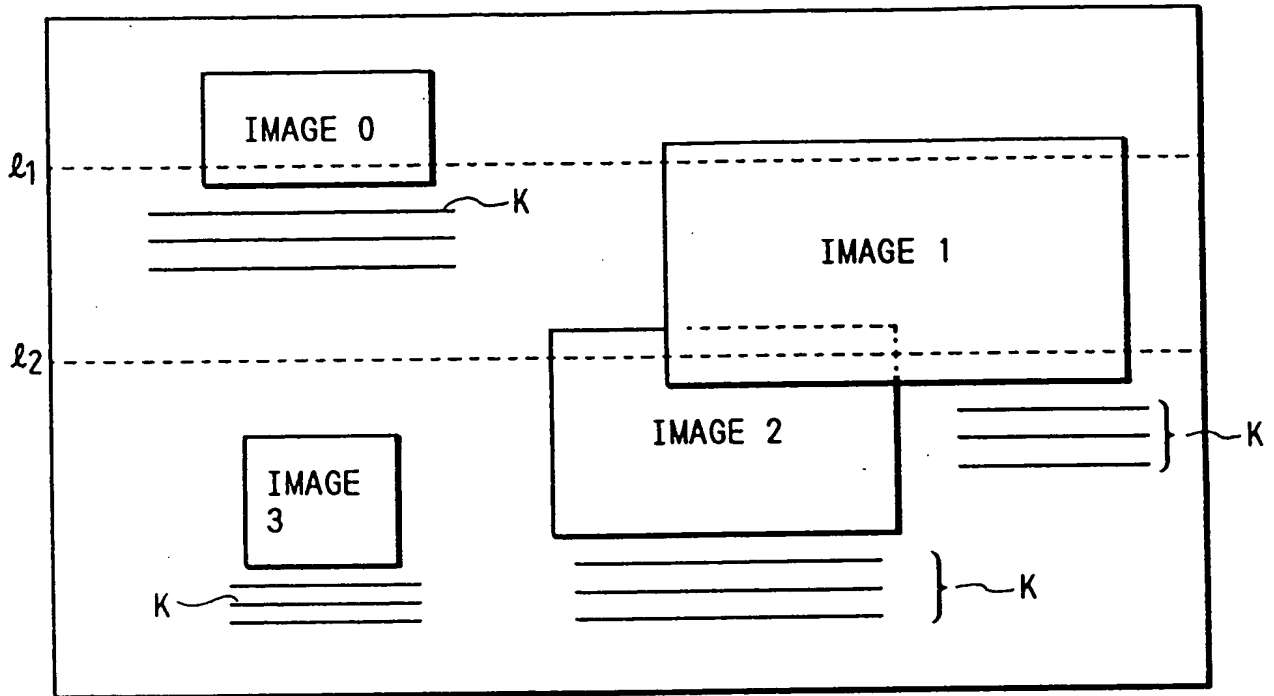


FIG. 37E

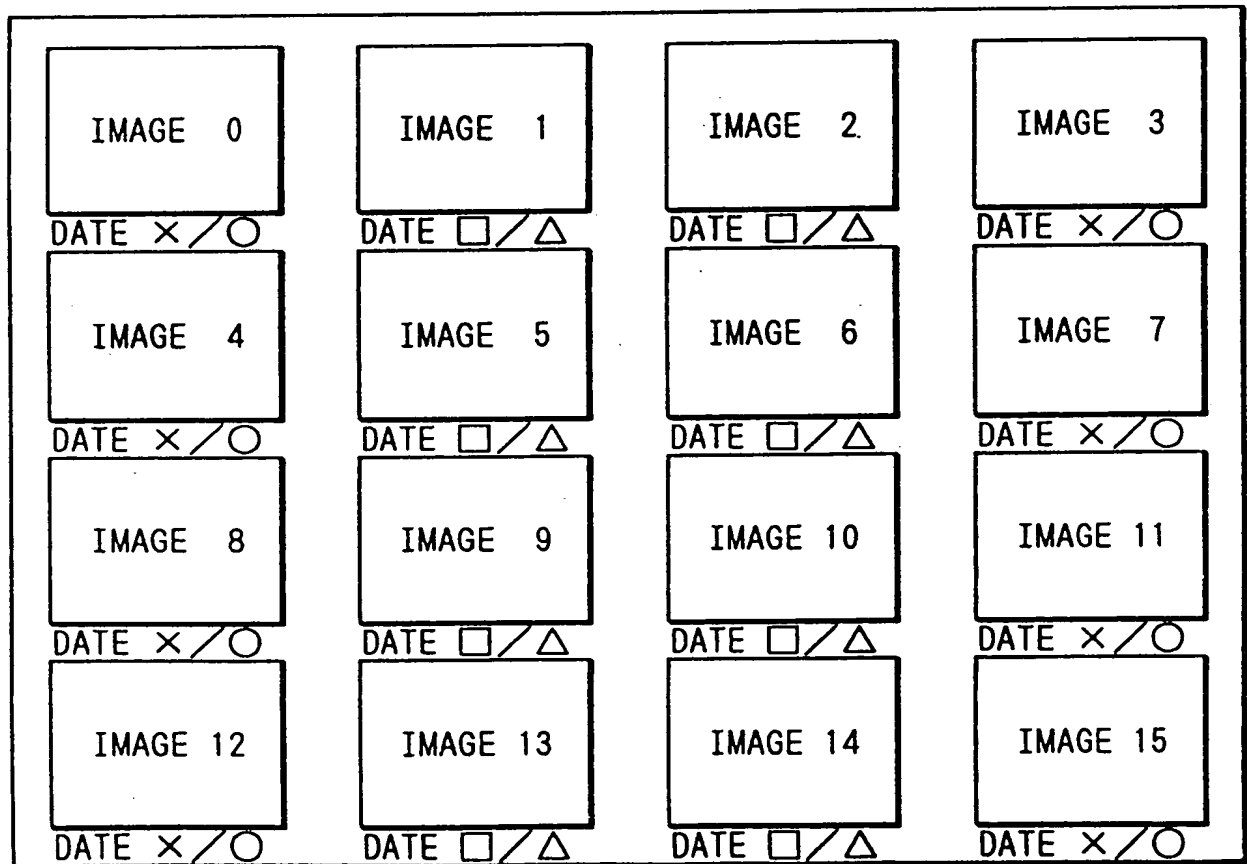


FIG. 37F

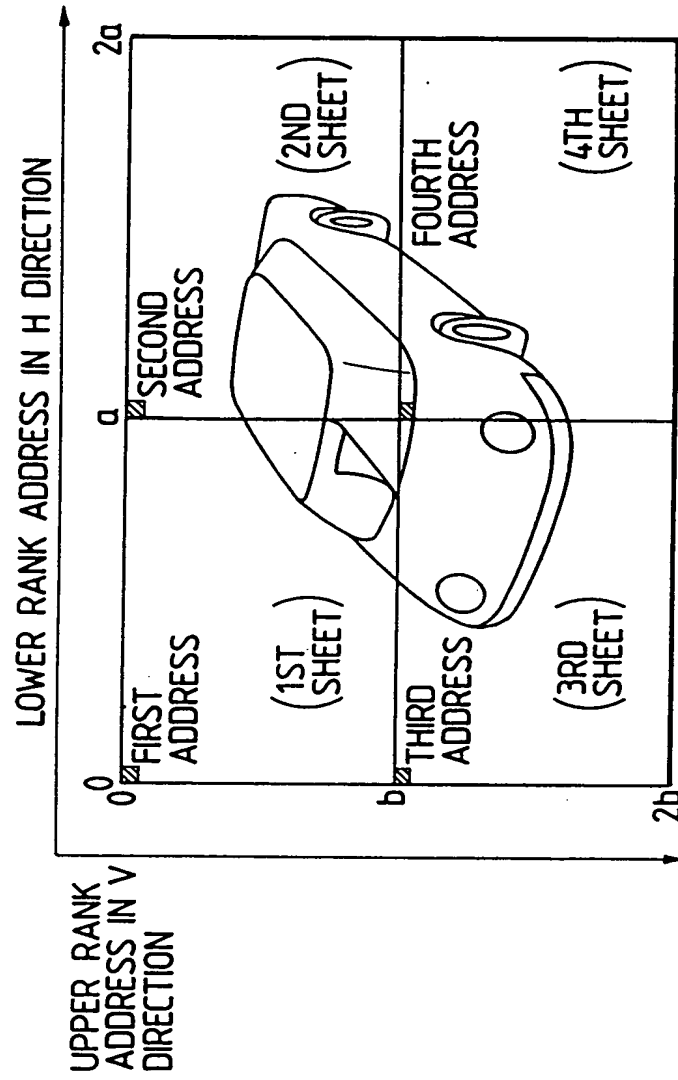


FIG. 37G

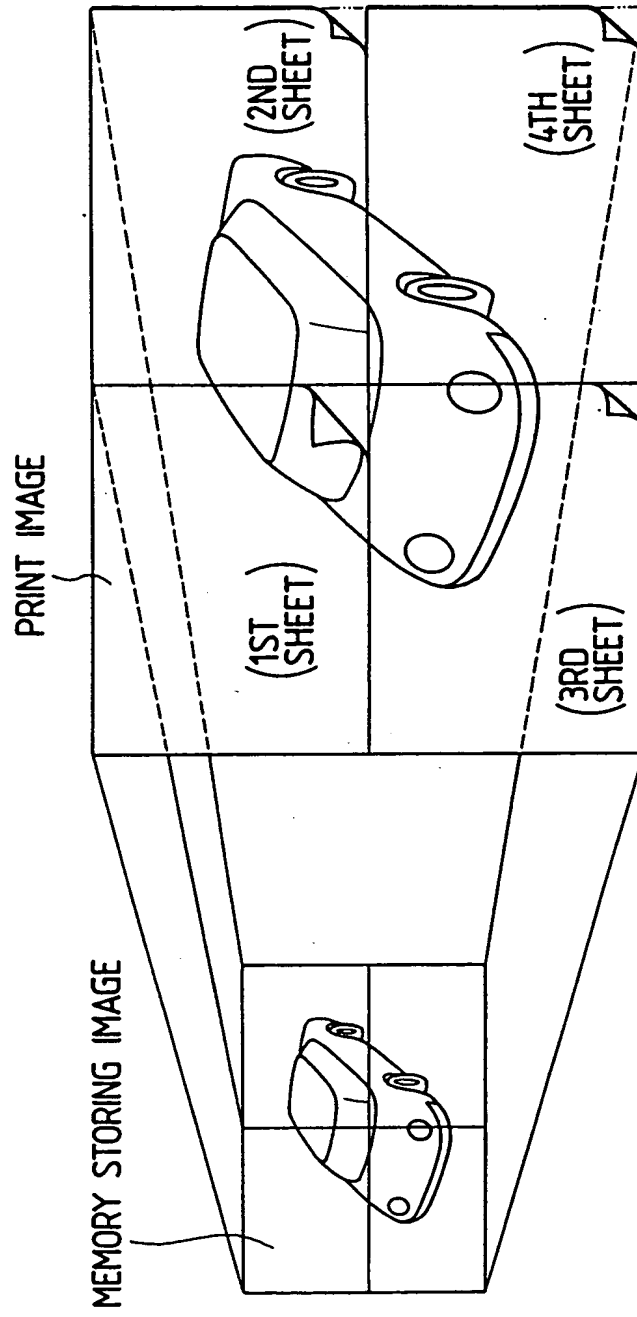


FIG. 38

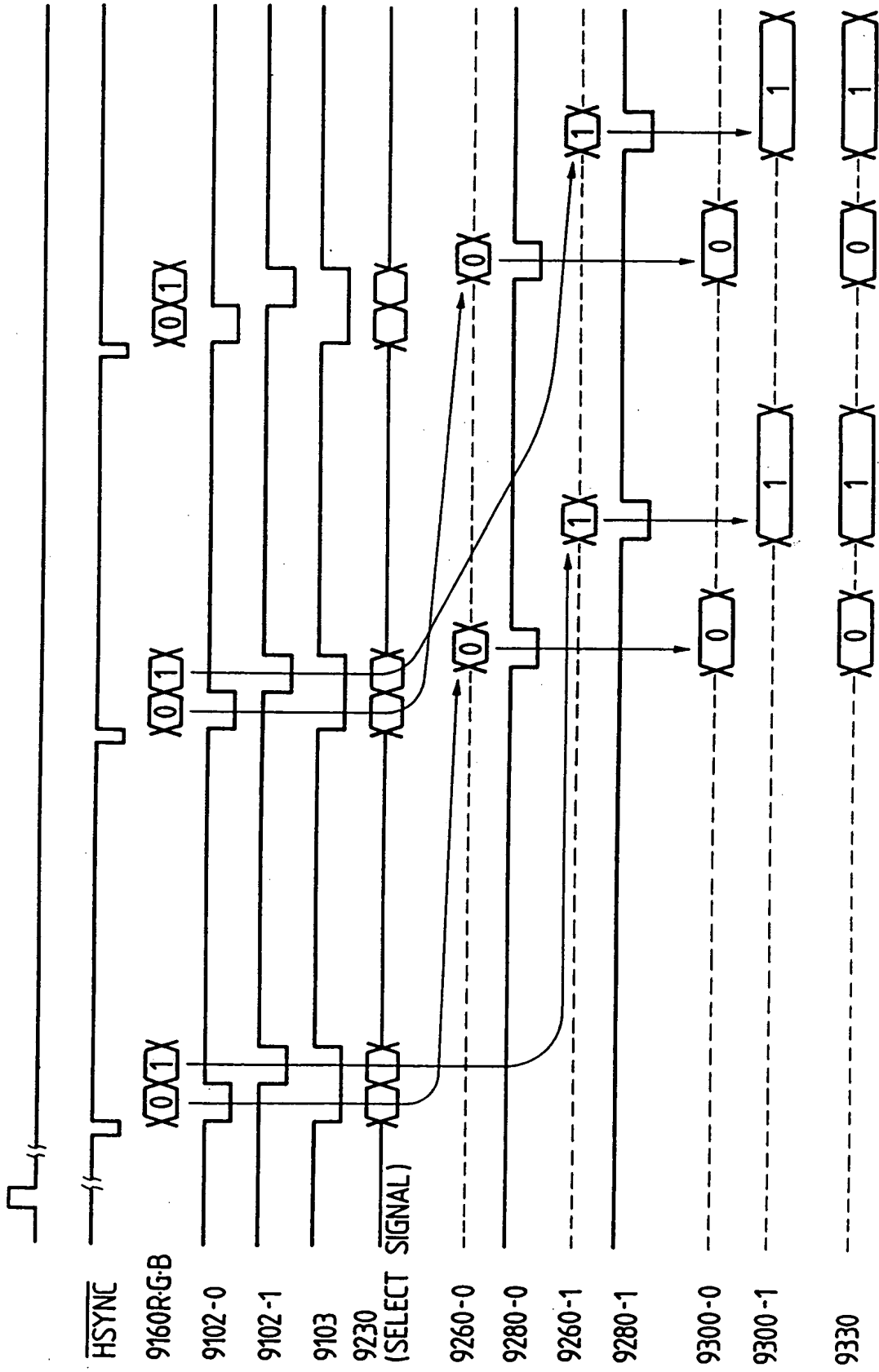
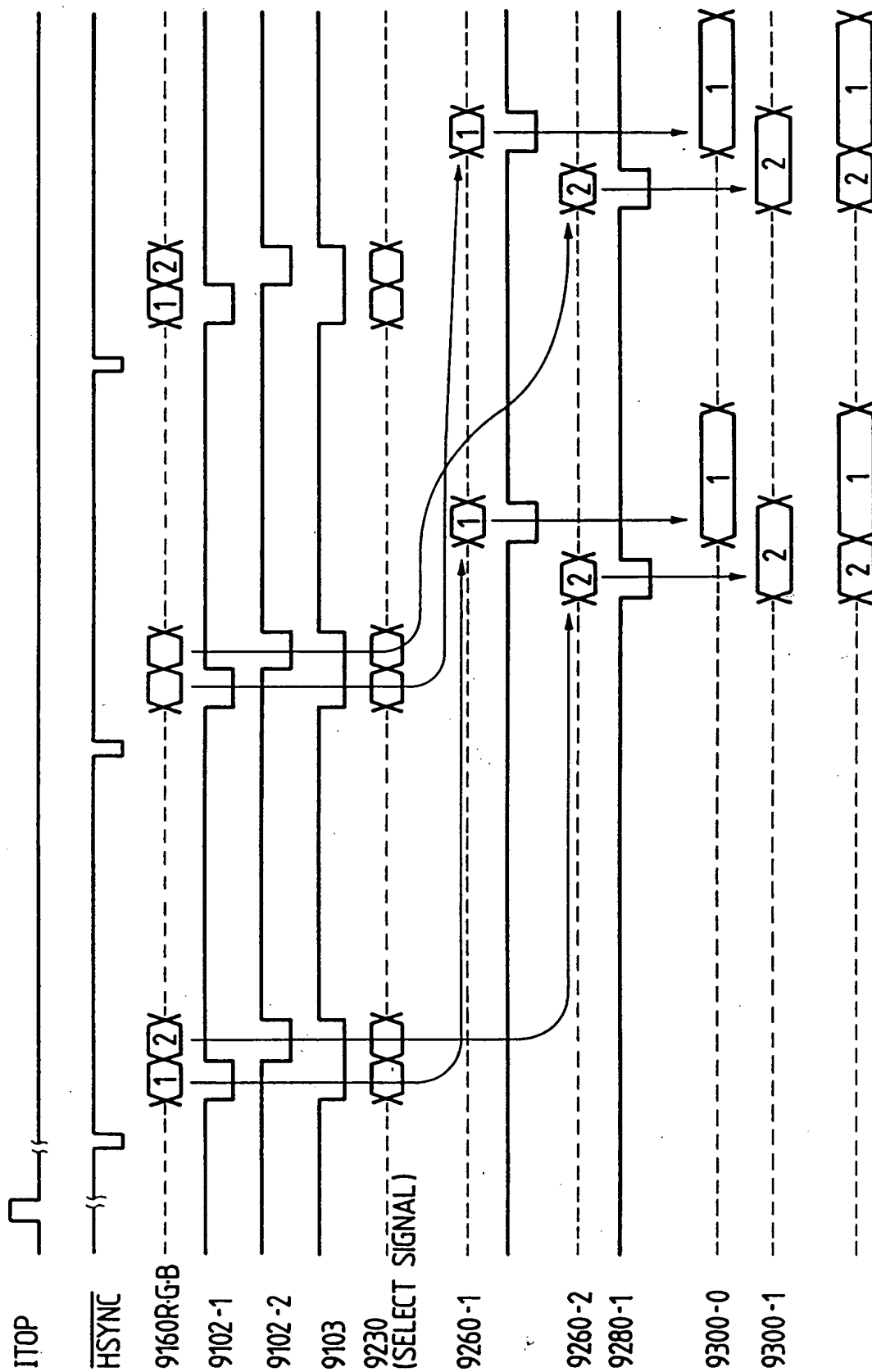


FIG. 39



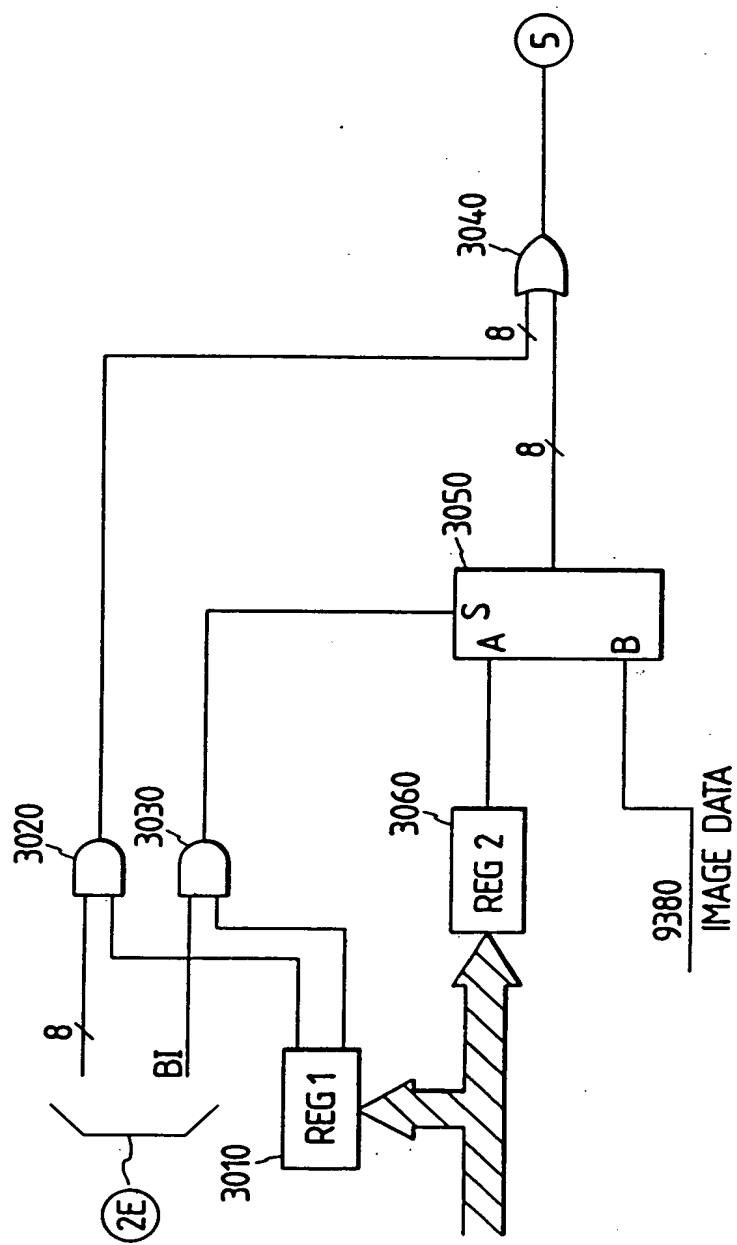
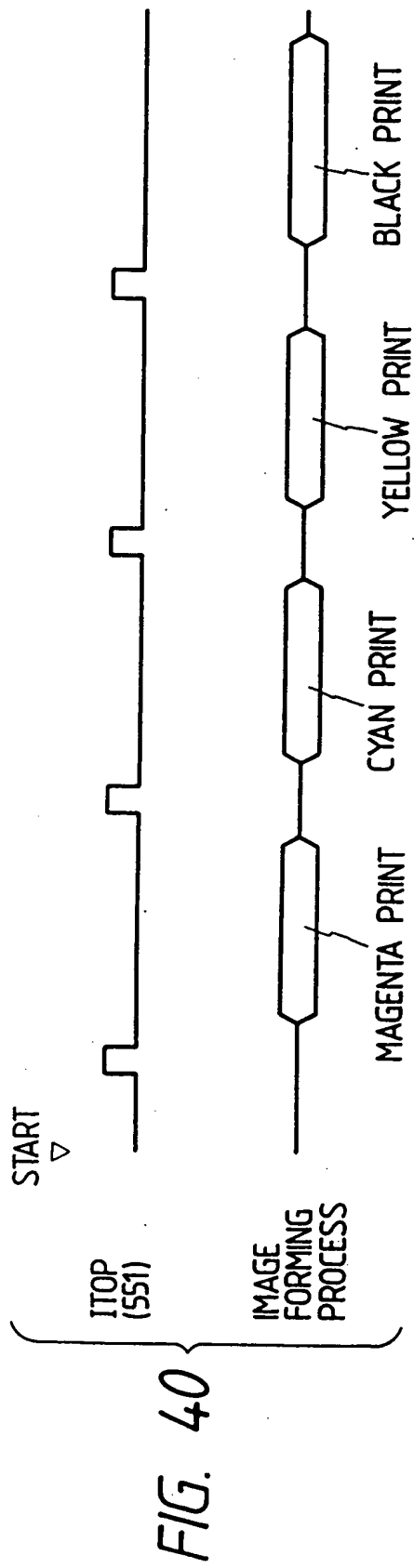




FIG. 42

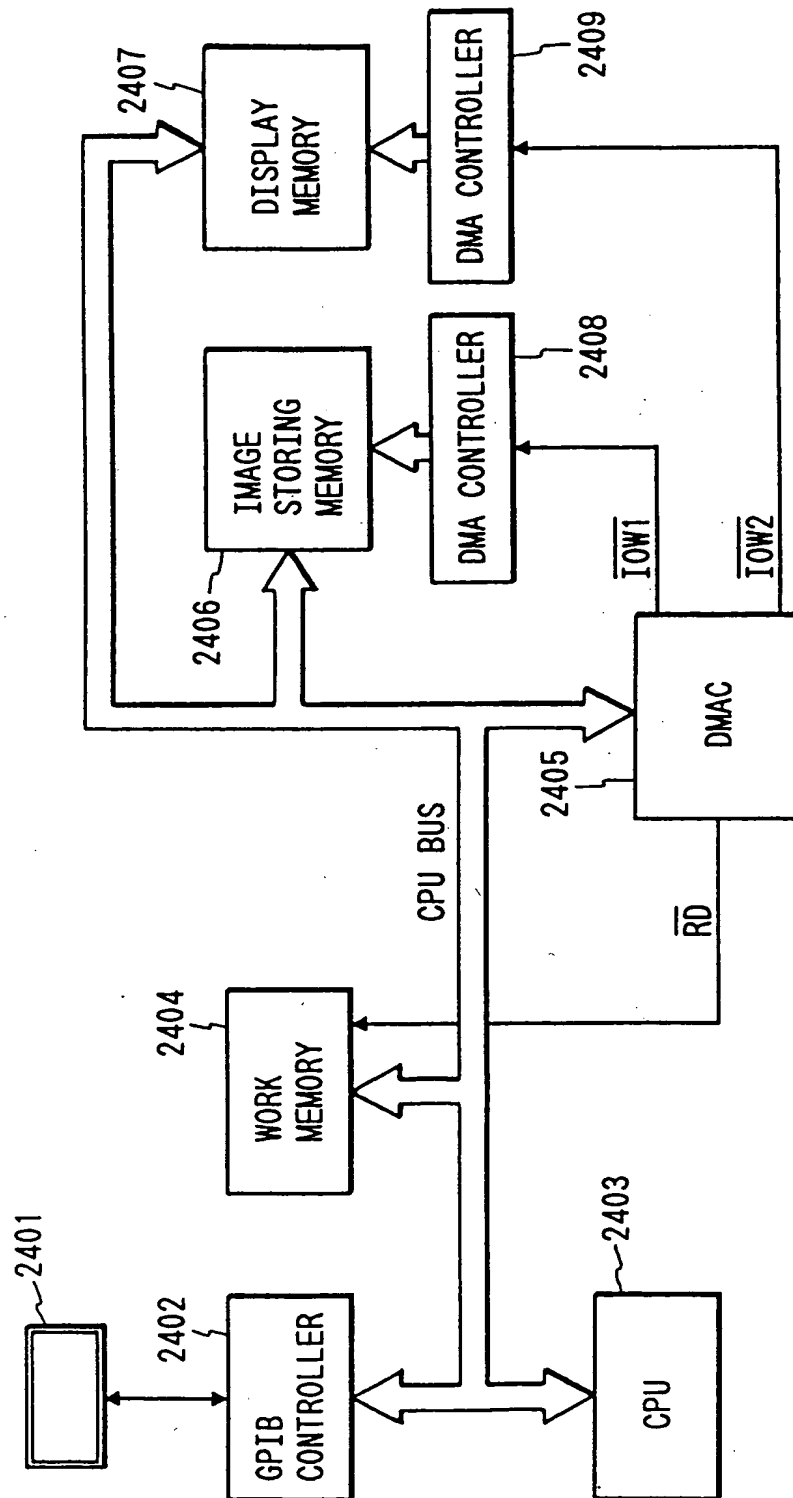


FIG. 43

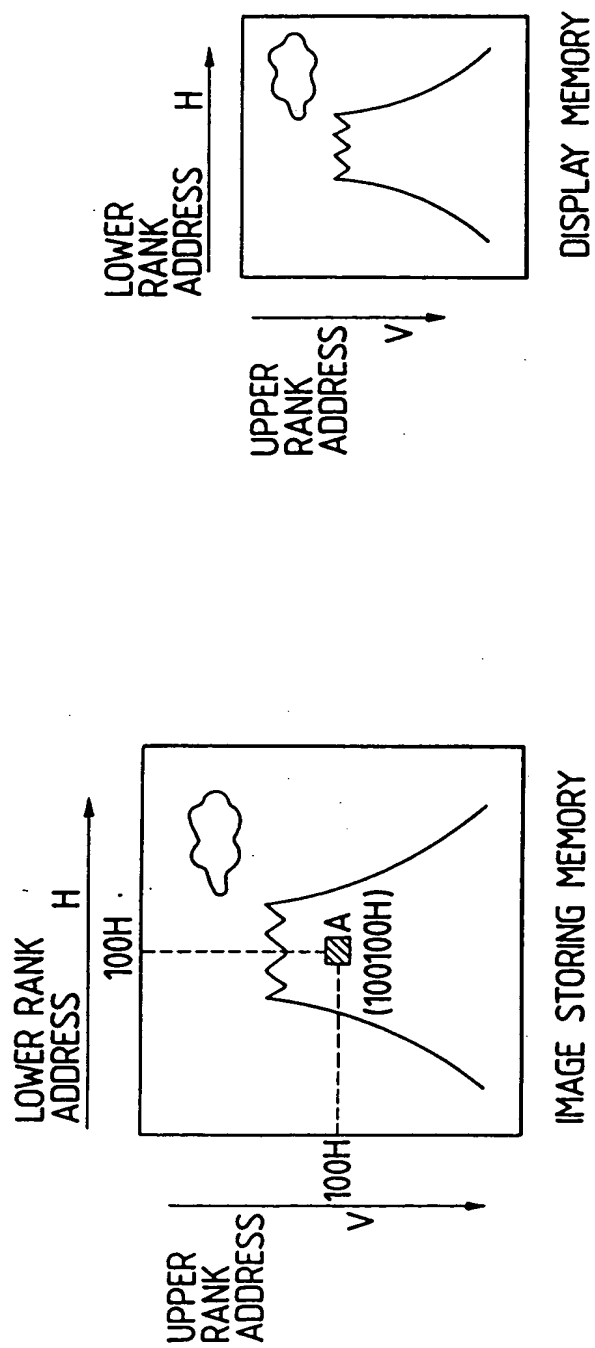


FIG. 44

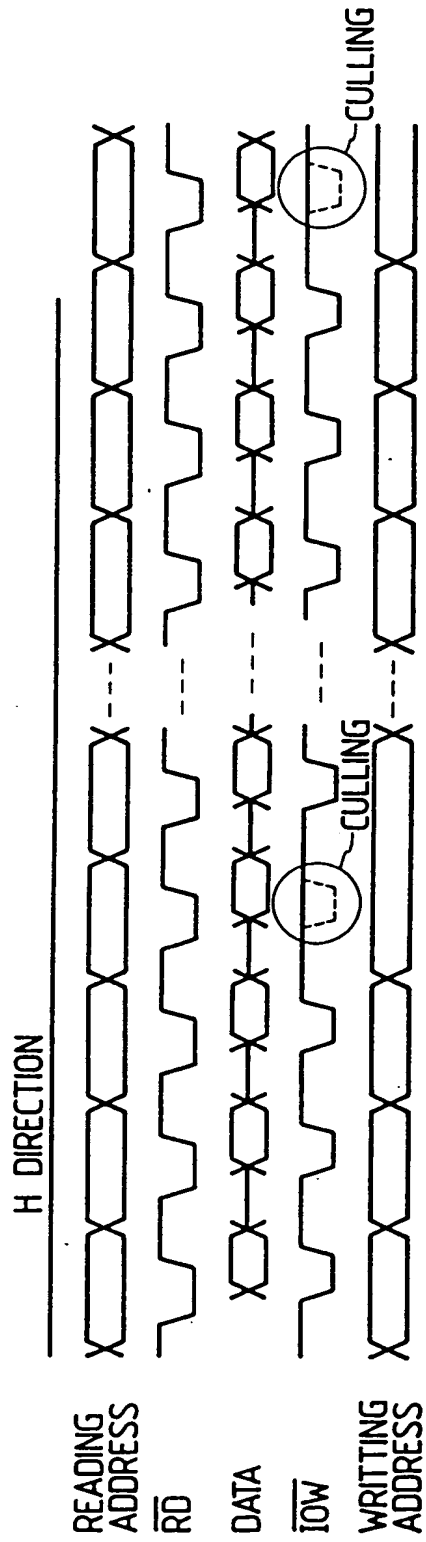


FIG. 45

FIG. 45A

FIG. 45B

FIG. 45A

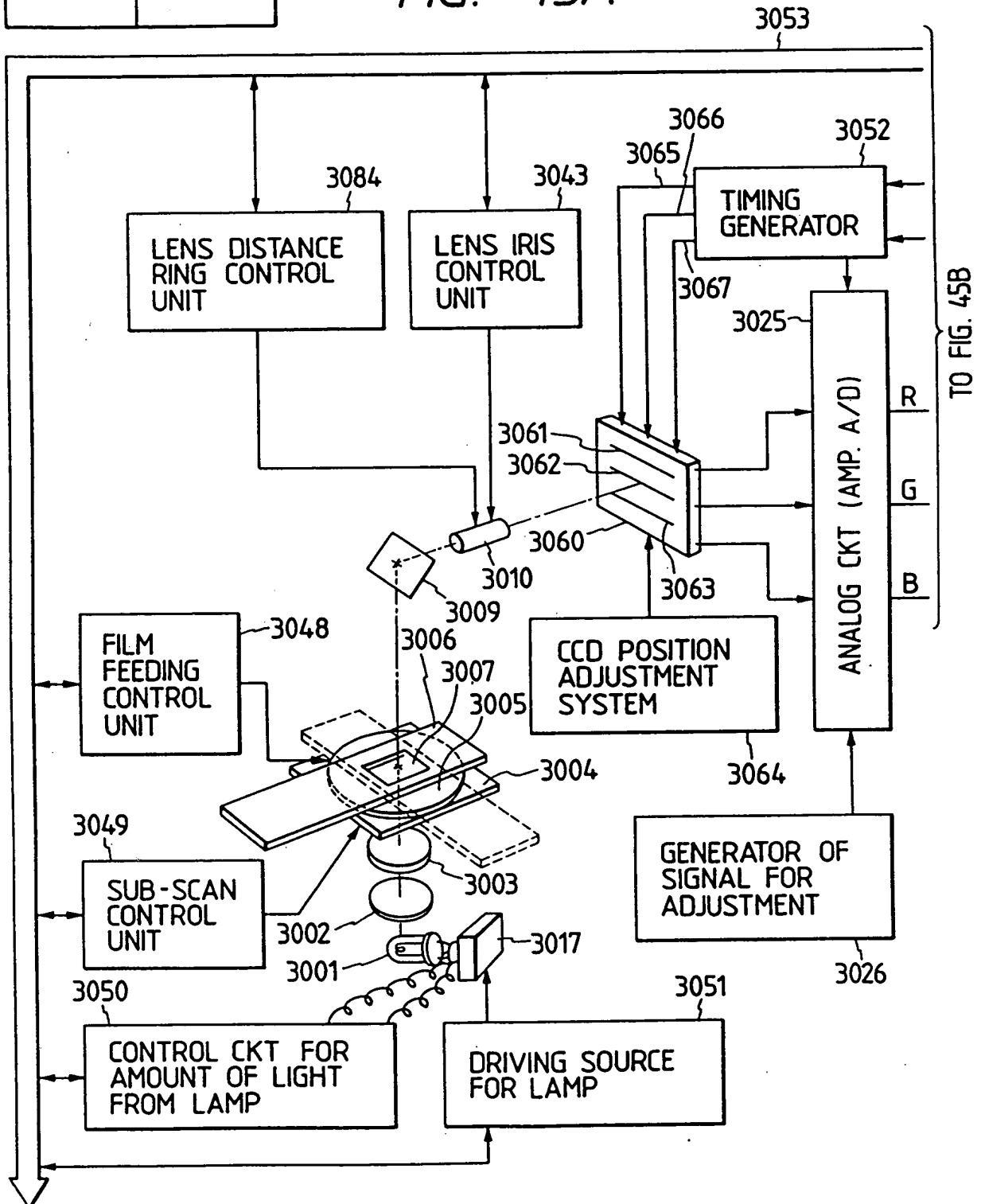


FIG. 45B

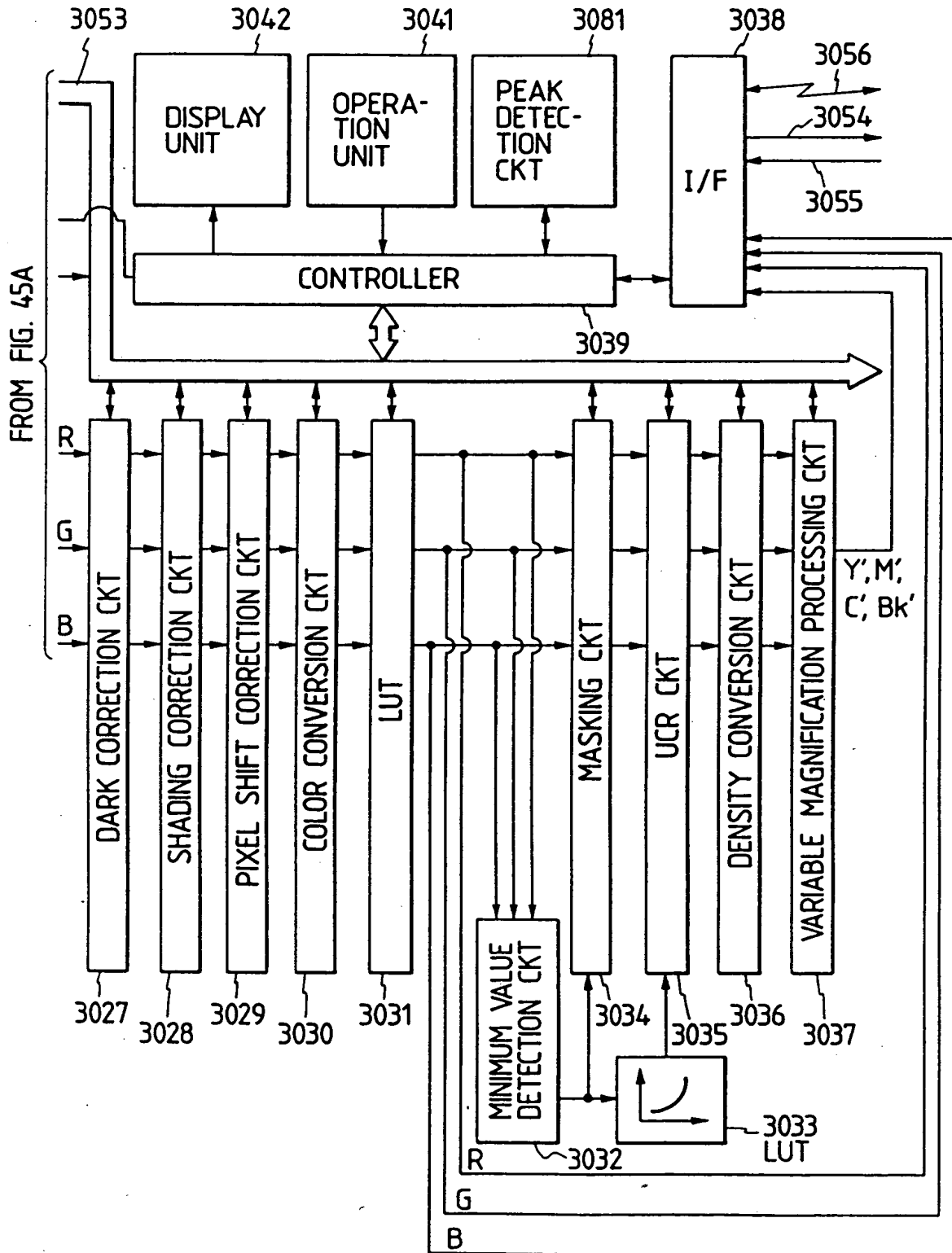


FIG. 46

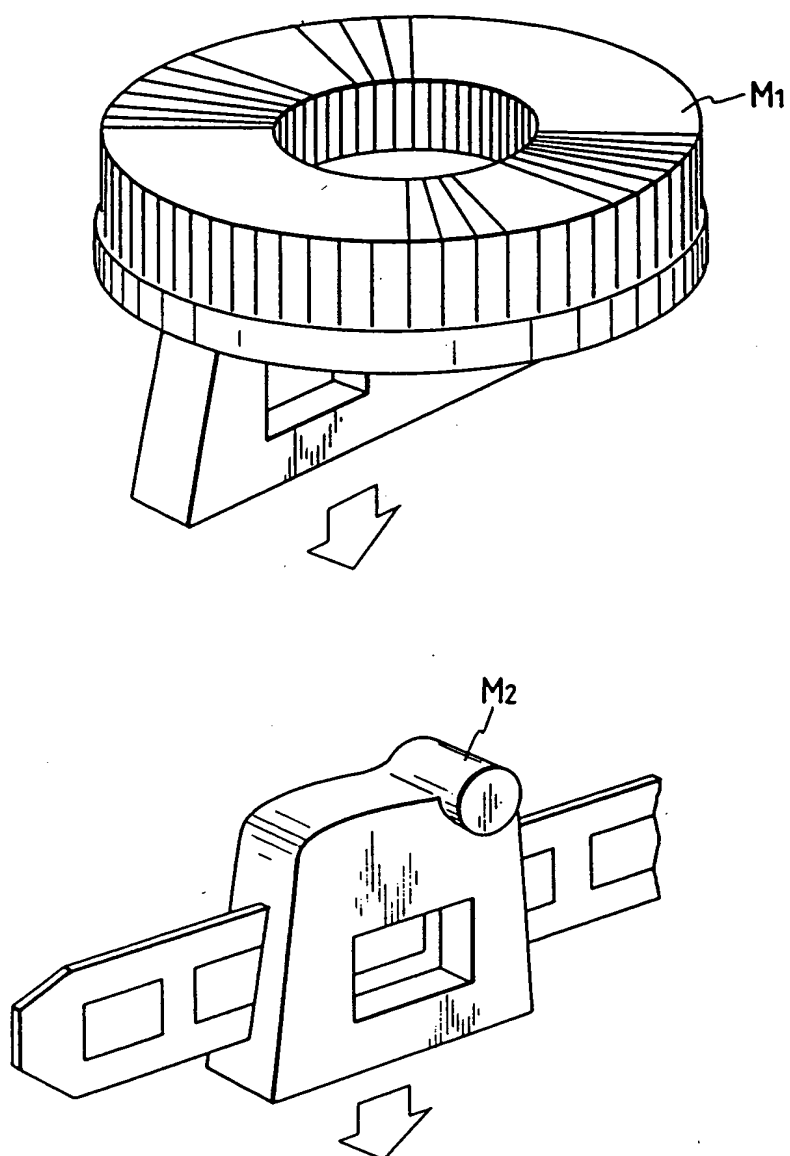


FIG. 47

FIG. 47A	FIG. 47B	FIG. 47C
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FIG. 47A

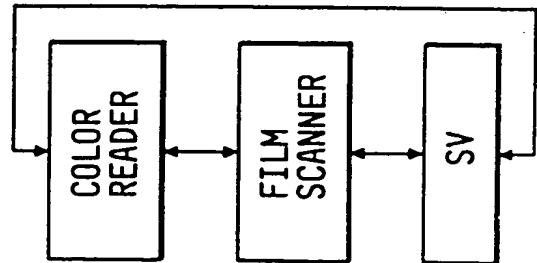
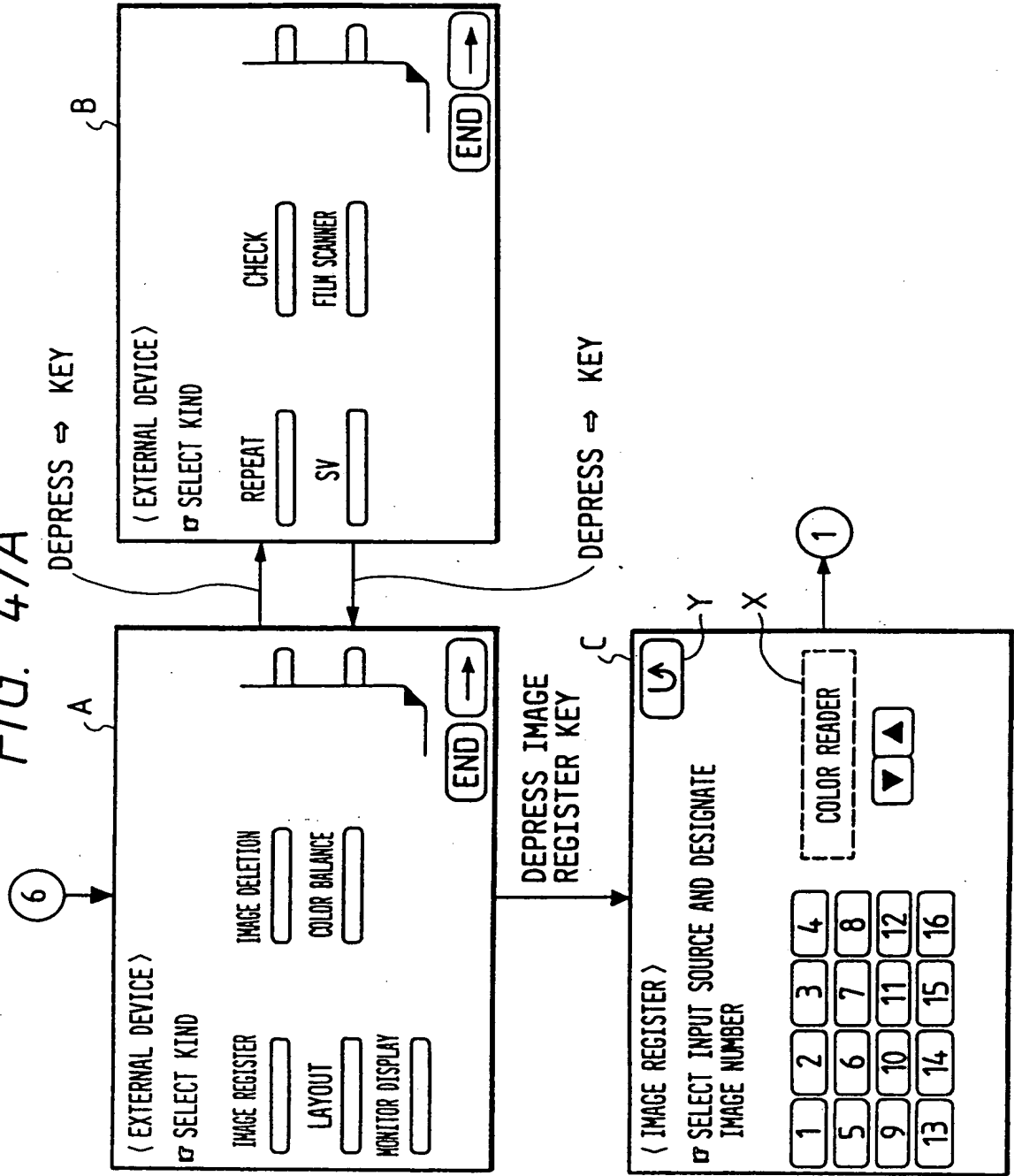


FIG. 47B

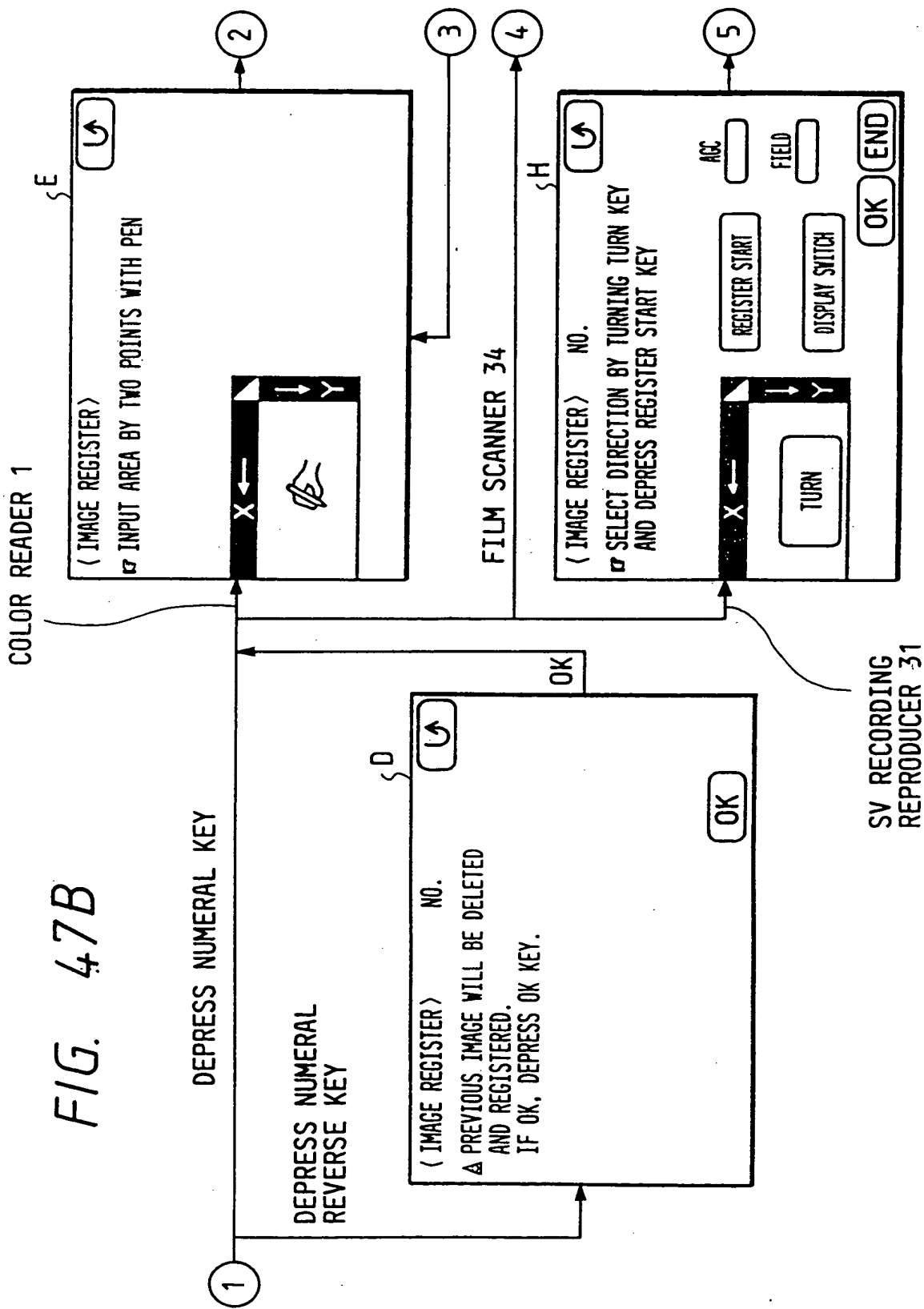




FIG. 47C

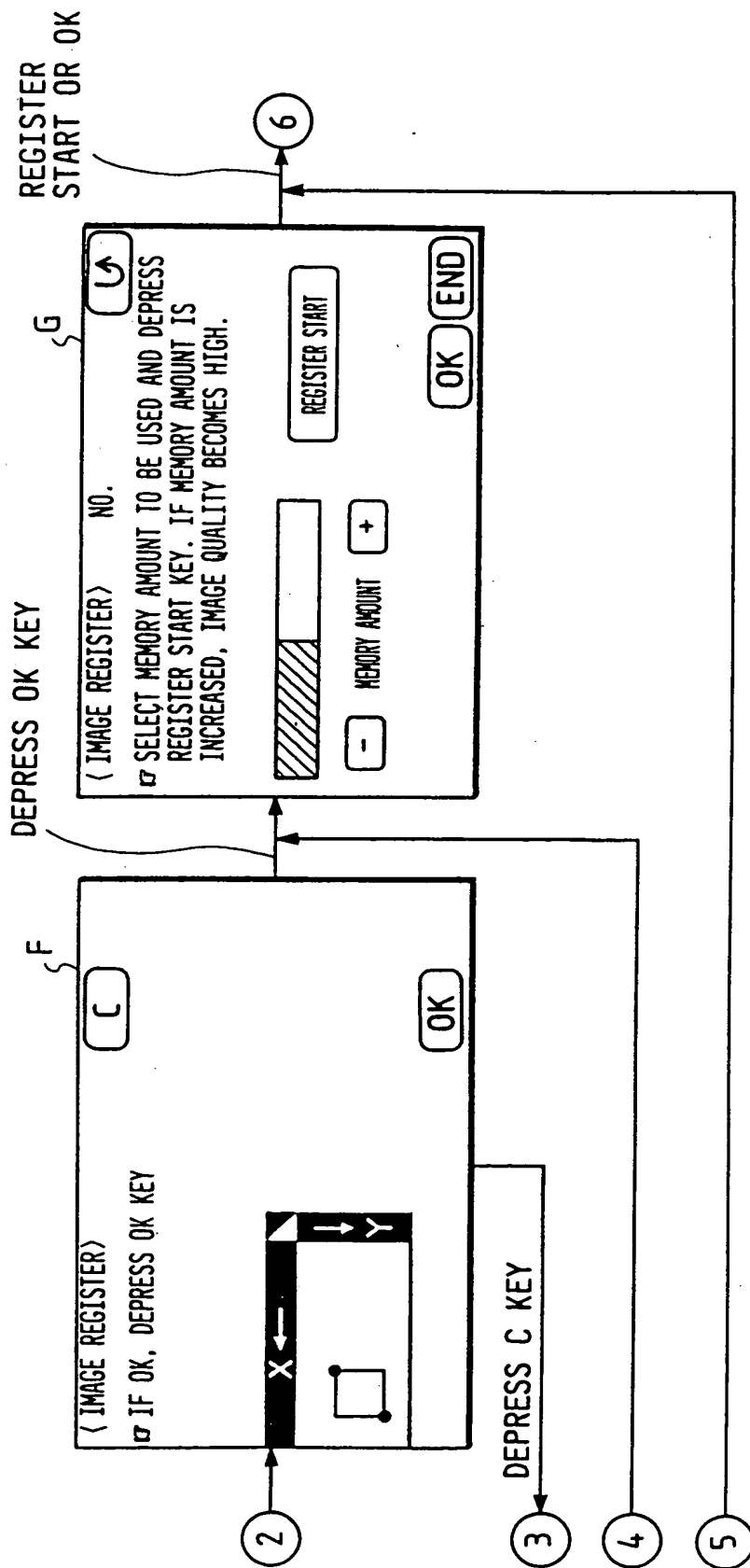
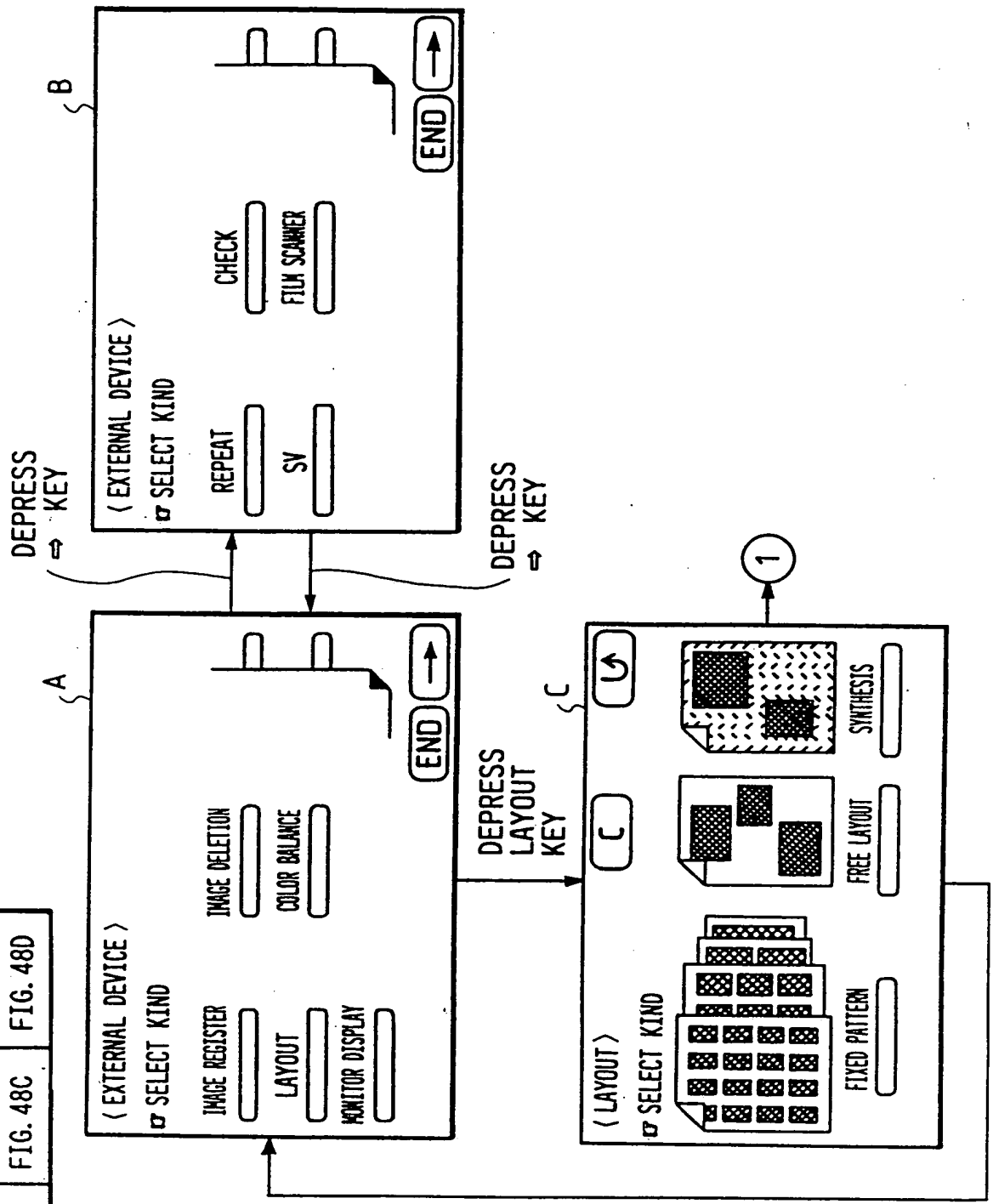


FIG. 48

FIG. 48A	FIG. 48B	FIG. 48C	FIG. 48D
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FIG. 48A



# FIG. 48B

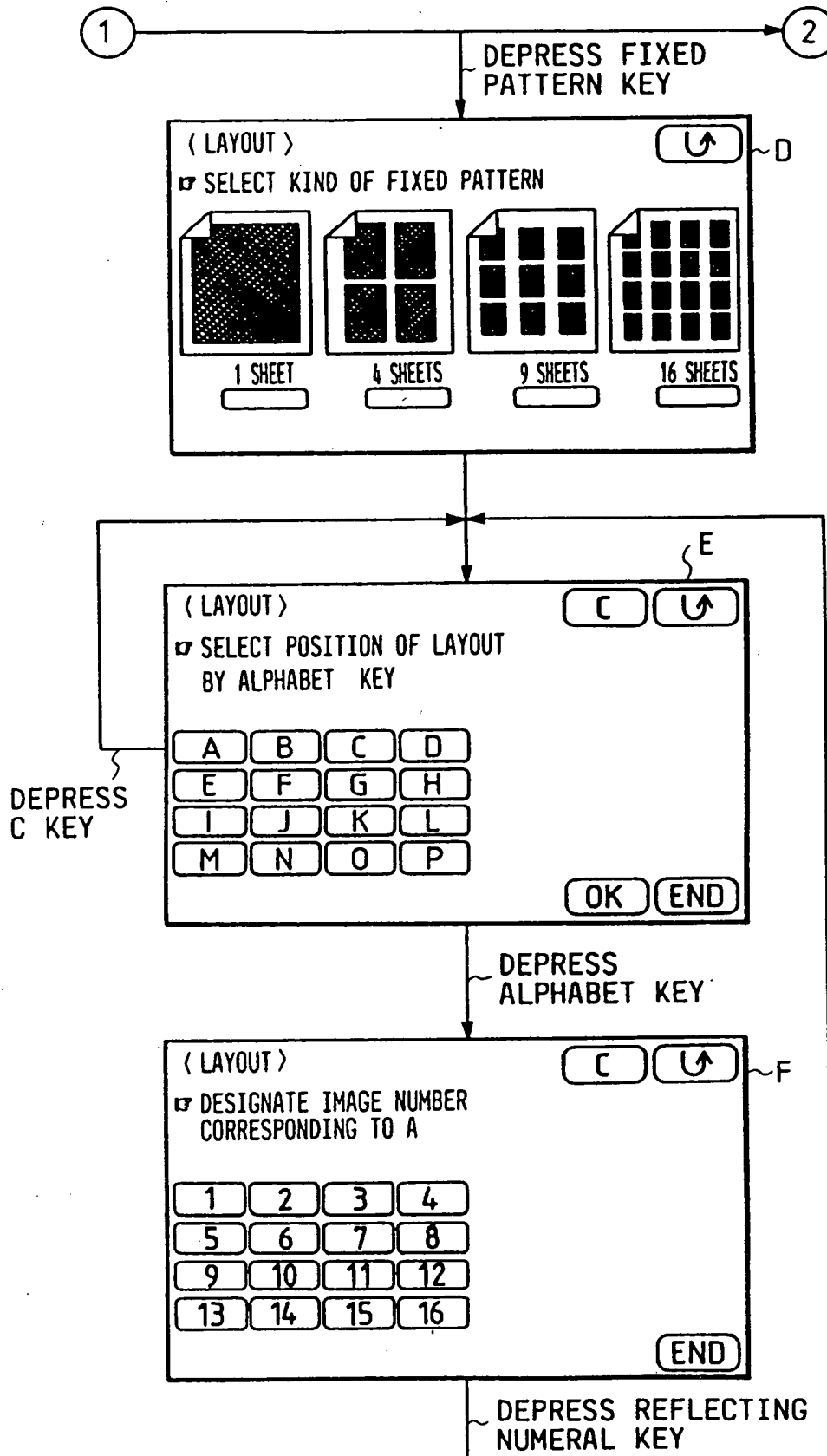


FIG. 48C

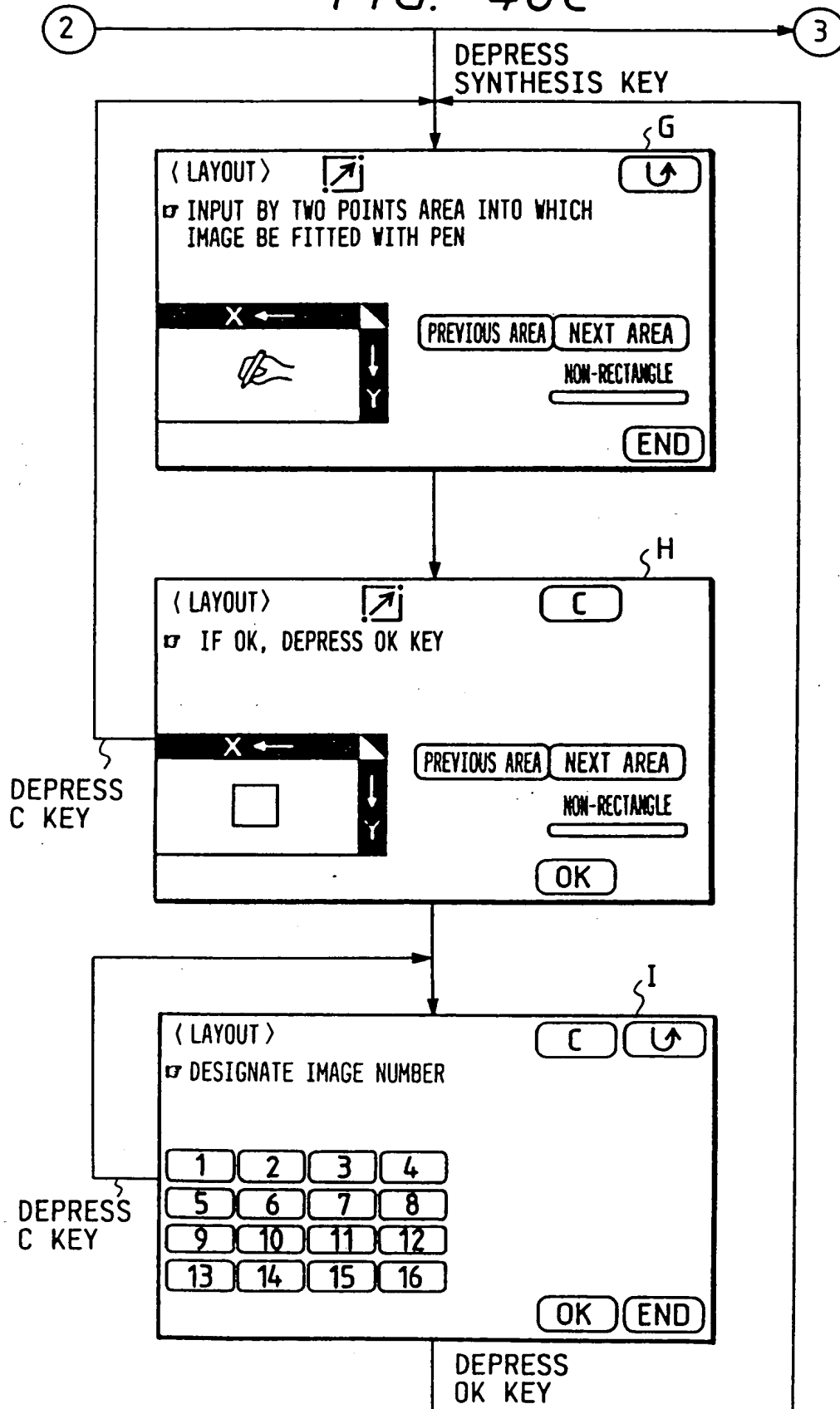


FIG. 48D

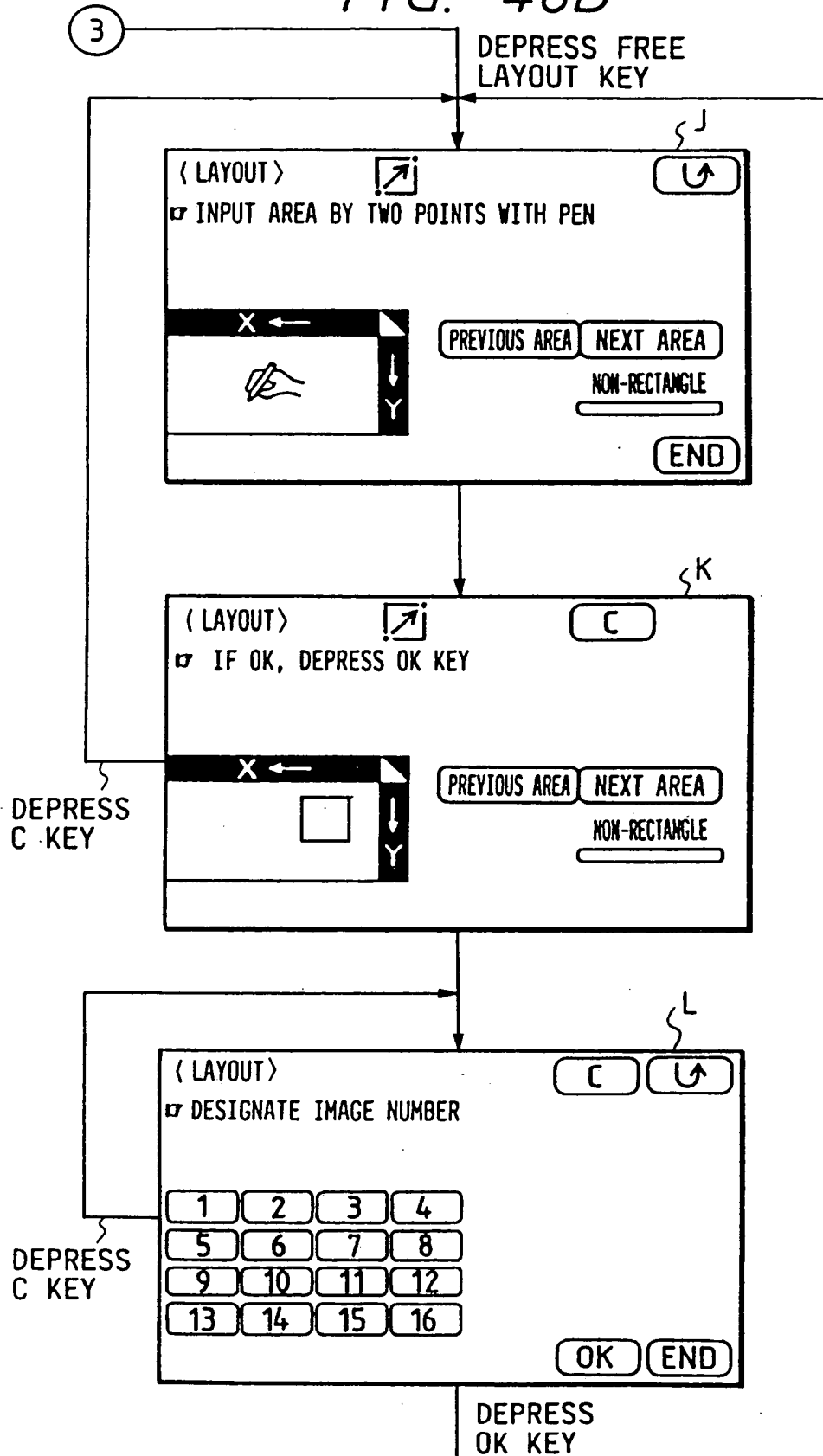


FIG. 49

FIG. 49A

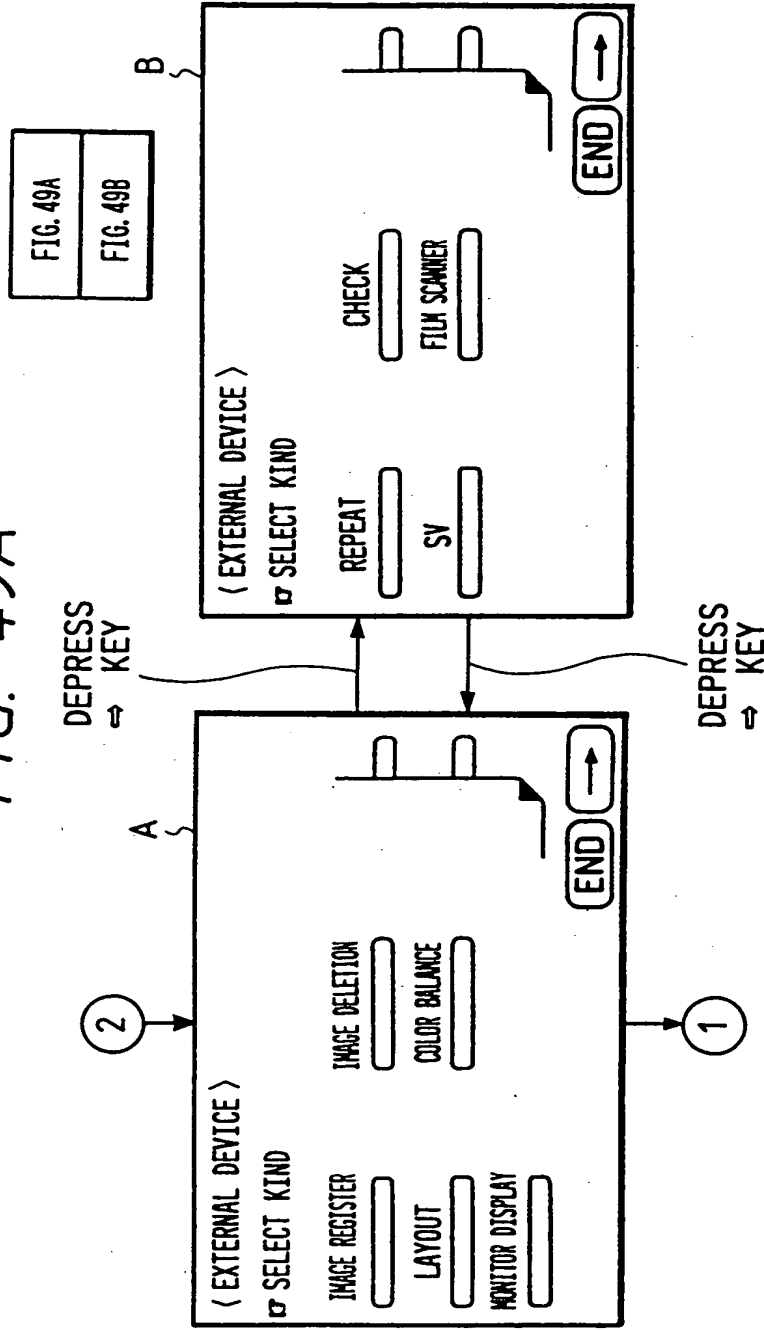


FIG. 49A  
FIG. 49B

FIG. 49B

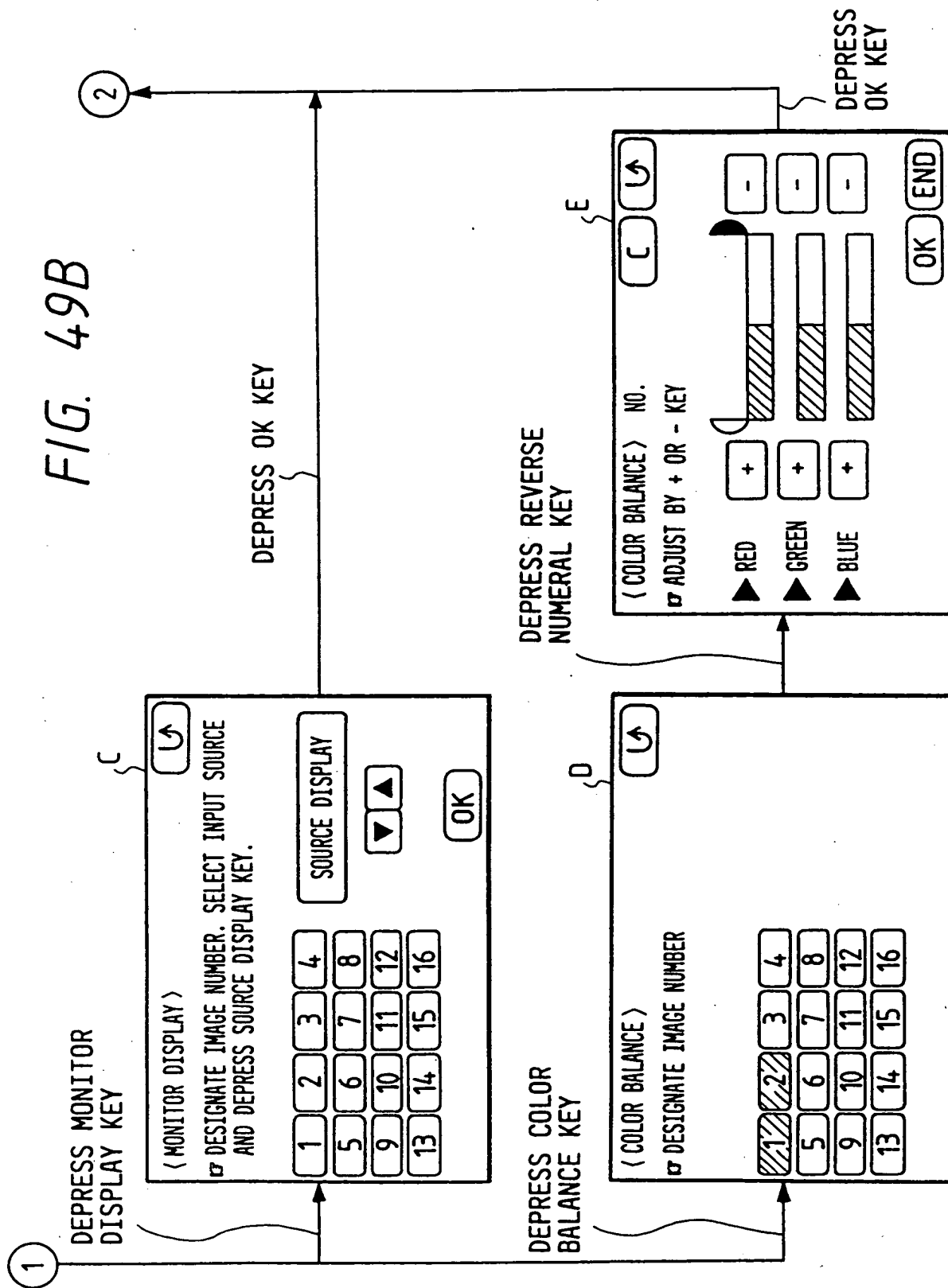


FIG. 50

FIG. 50A
FIG. 50B

FIG. 50A

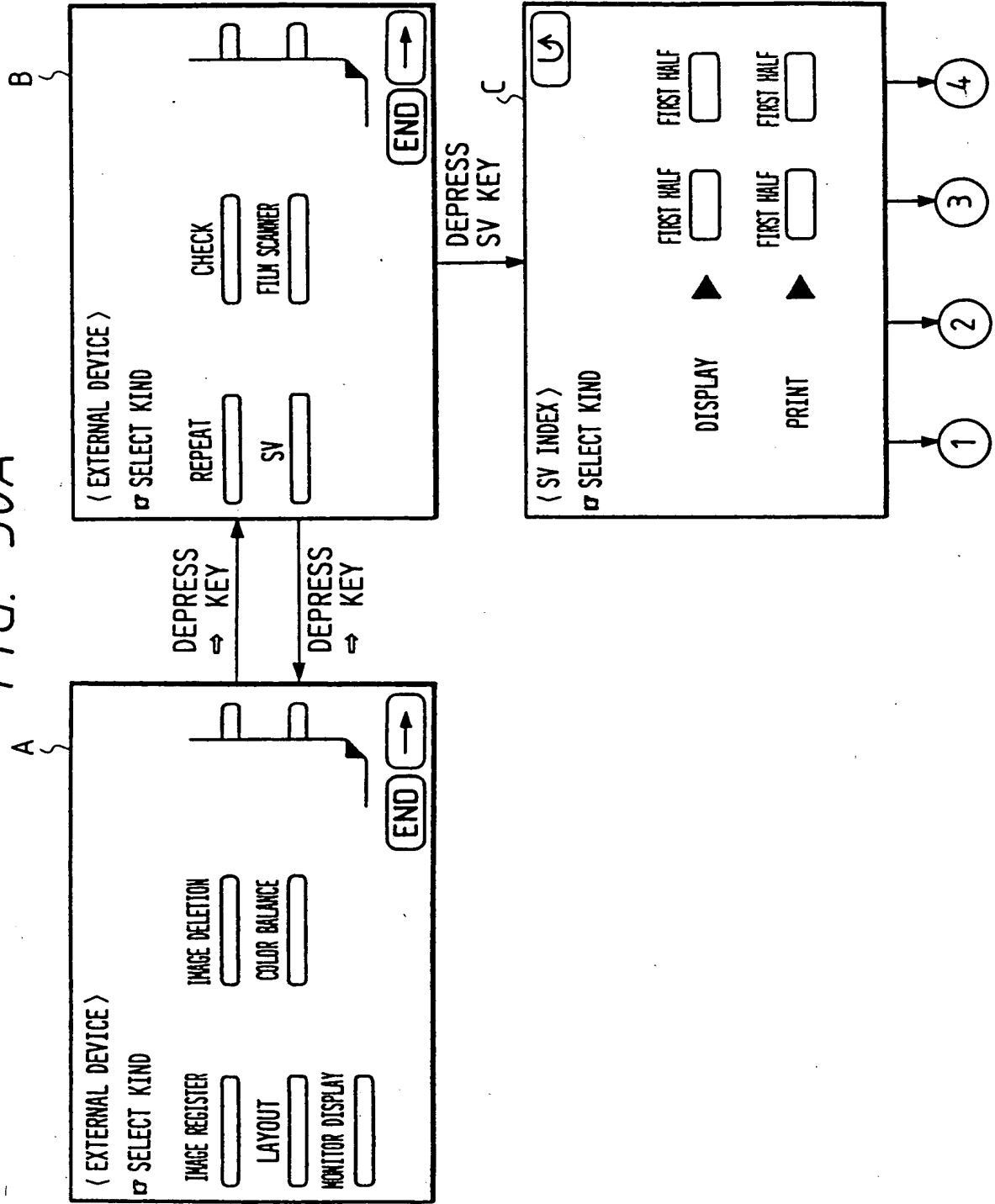




FIG. 50B

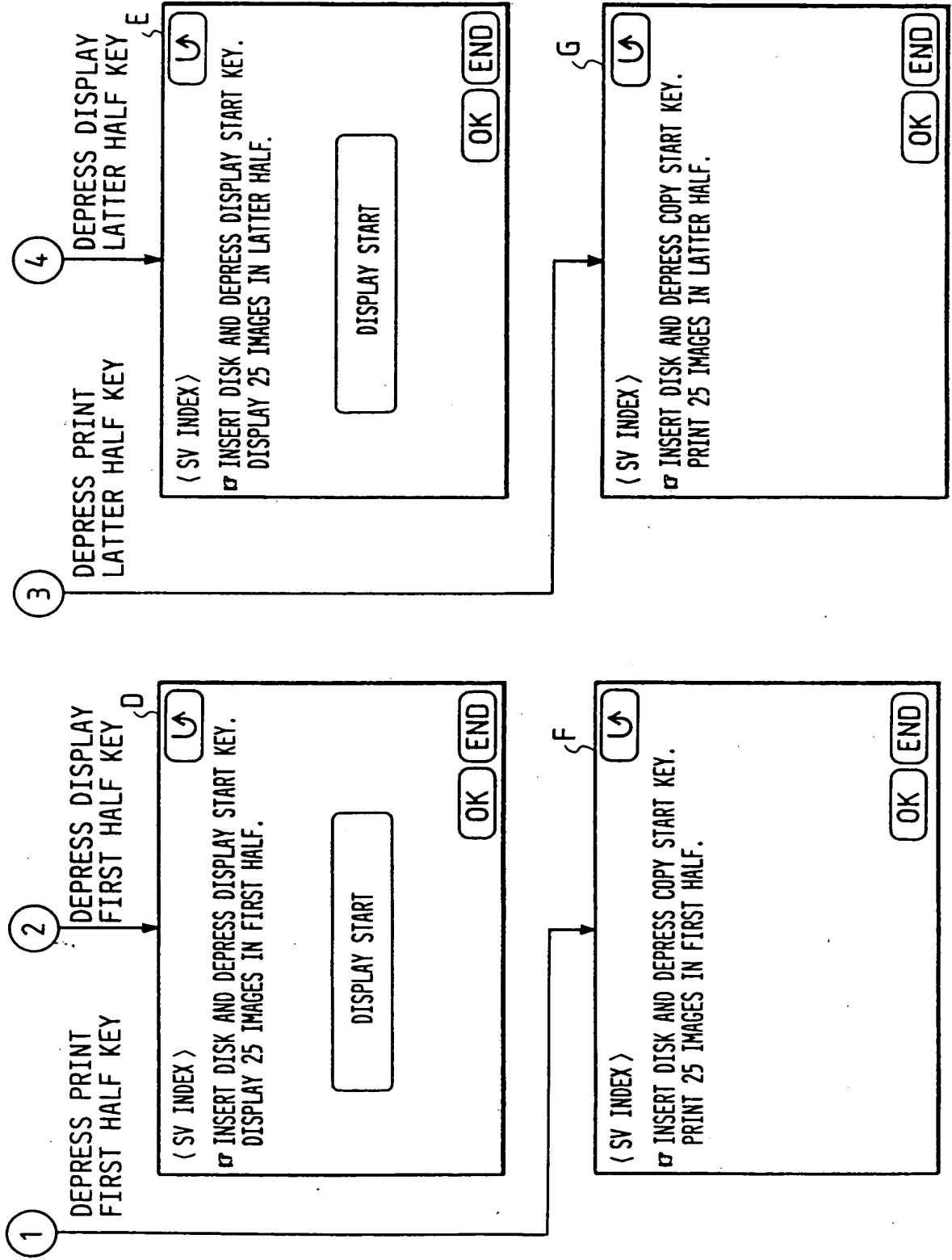


FIG. 51

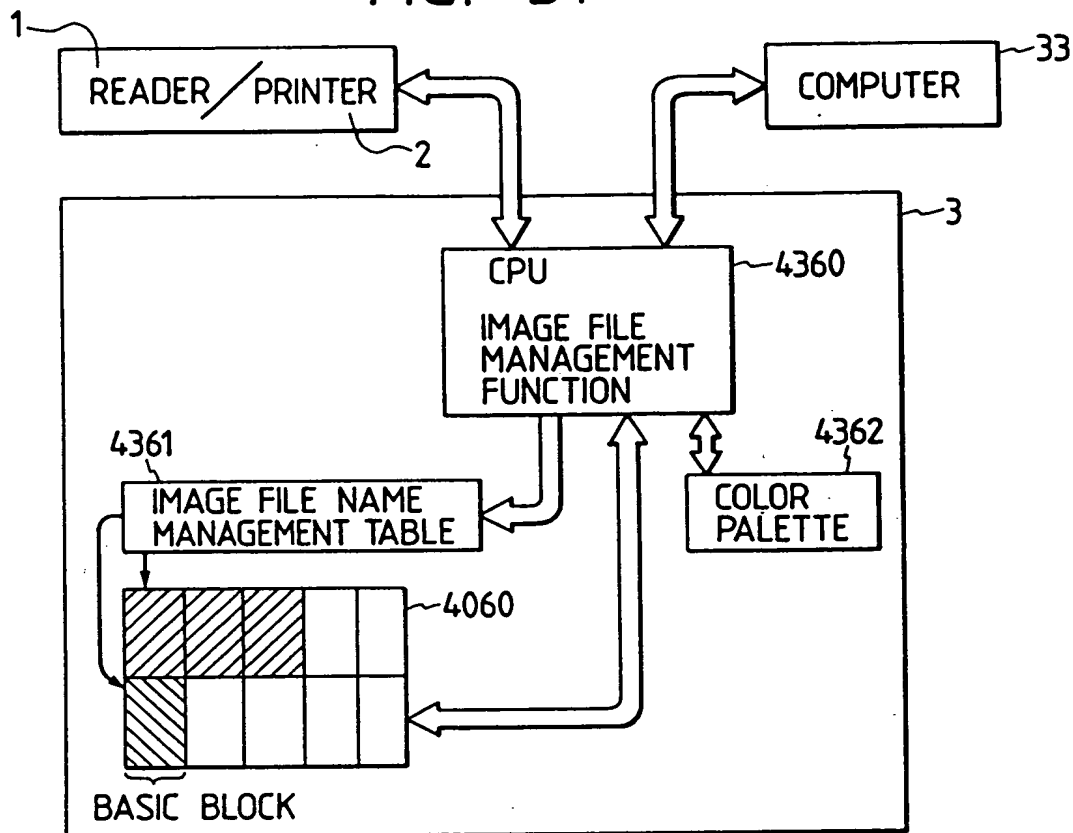


FIG. 52

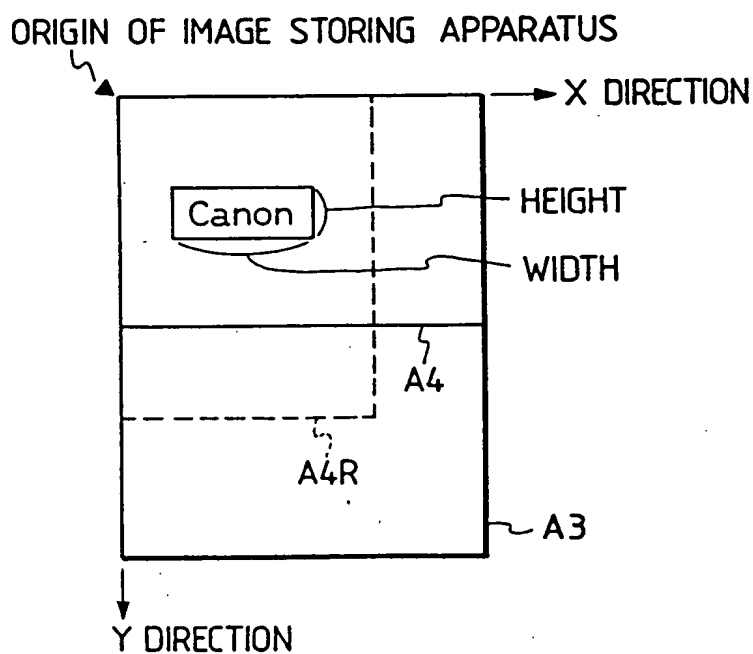


FIG. 53

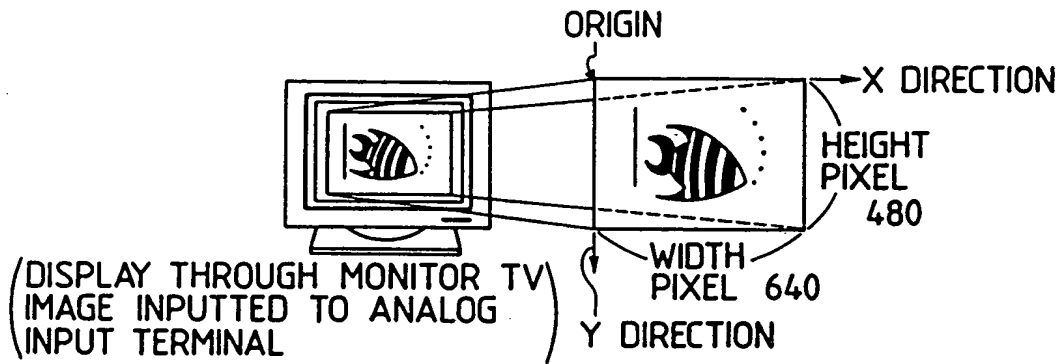


FIG. 54

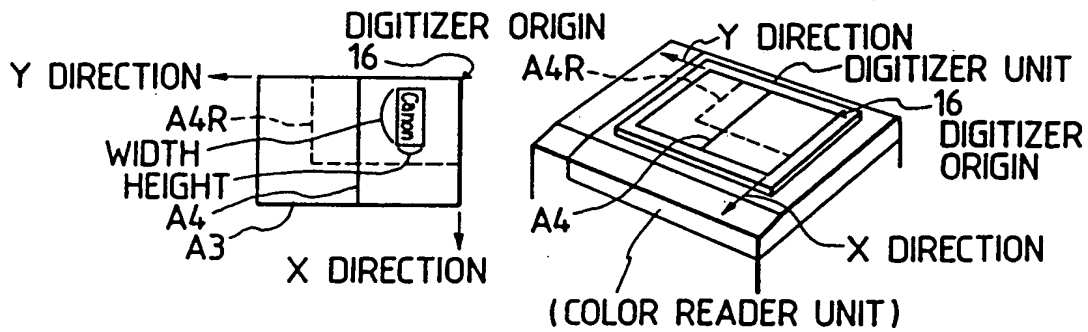
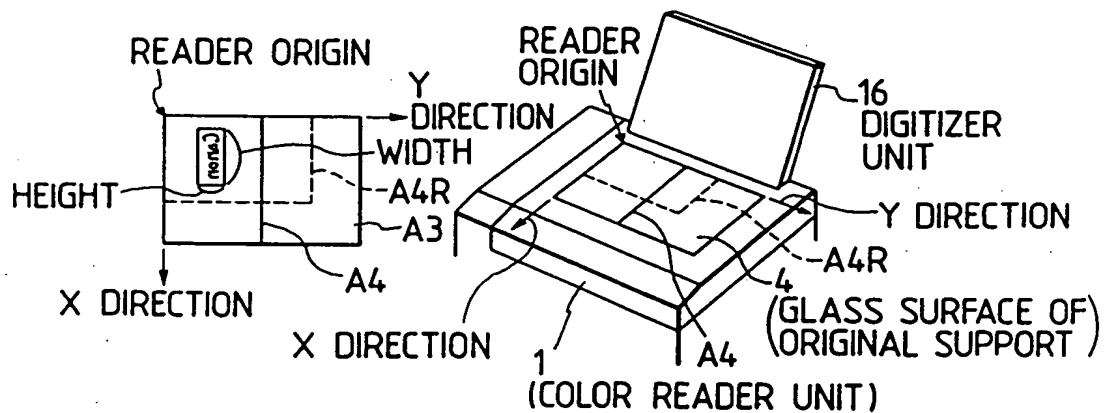


FIG. 55



# FIG. 56

## CONSTRUCT OF IMAGE FILE NAME

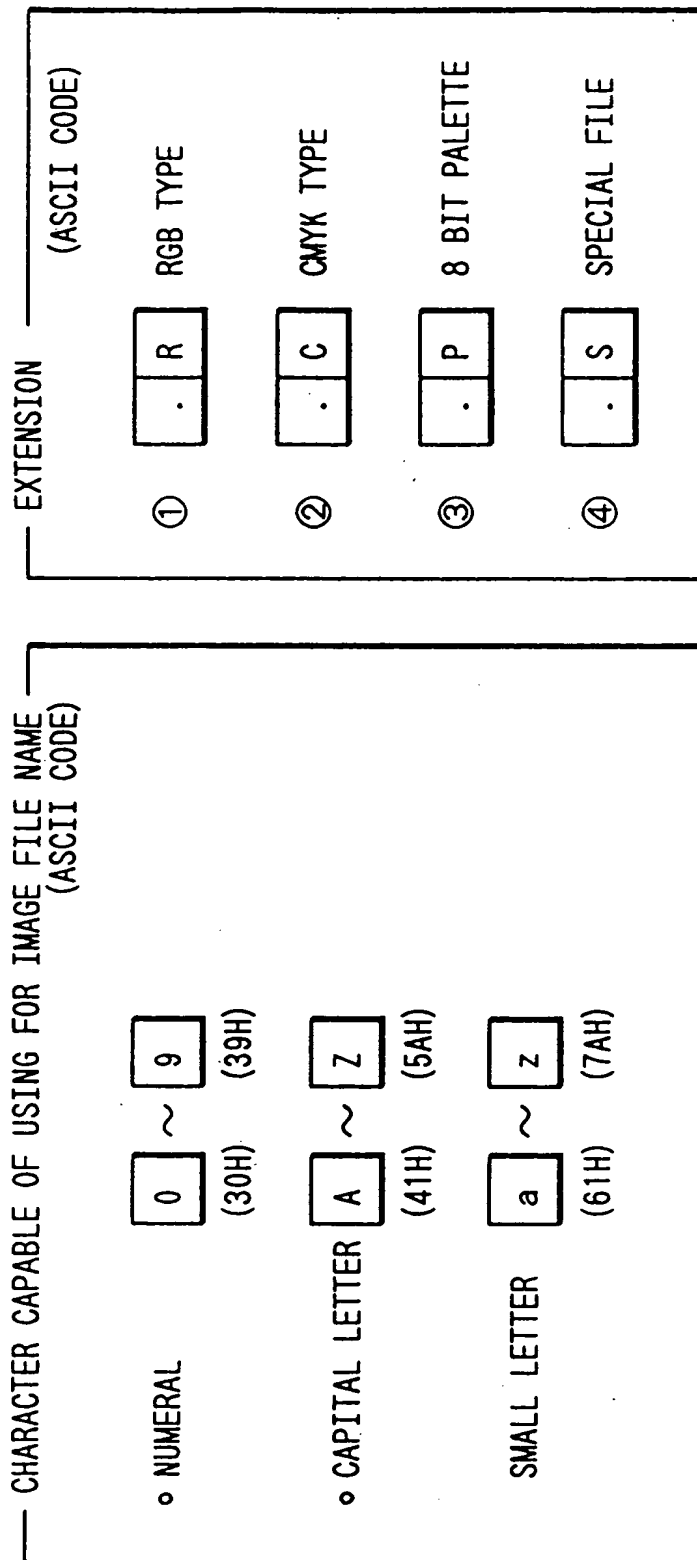


FIG. 57

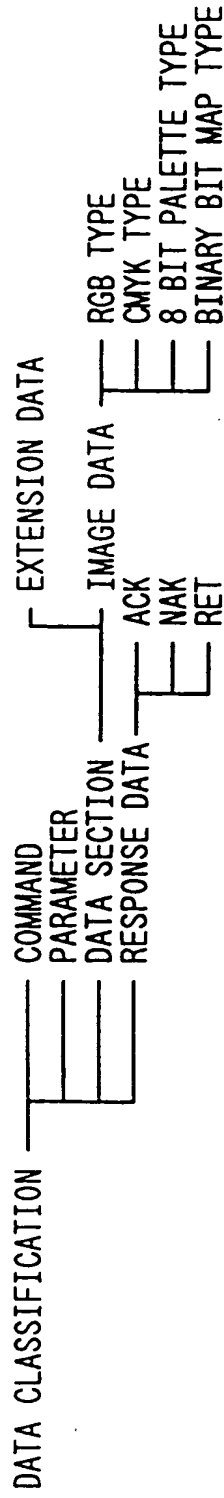
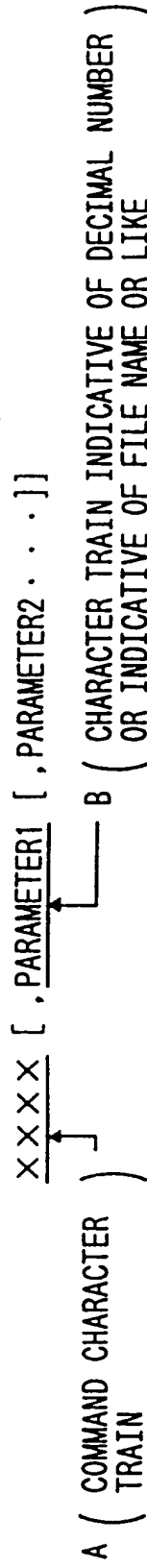


FIG. 58



(EX) SAVE, Image1. R, 640, 480

( REGISTER TO IMAGE MEMORY APPARATUS IMAGE DATA OF  
( 640 X 480 SIZE WITH IMAGE FILE NAME "Image1.R" )

FIG. 59

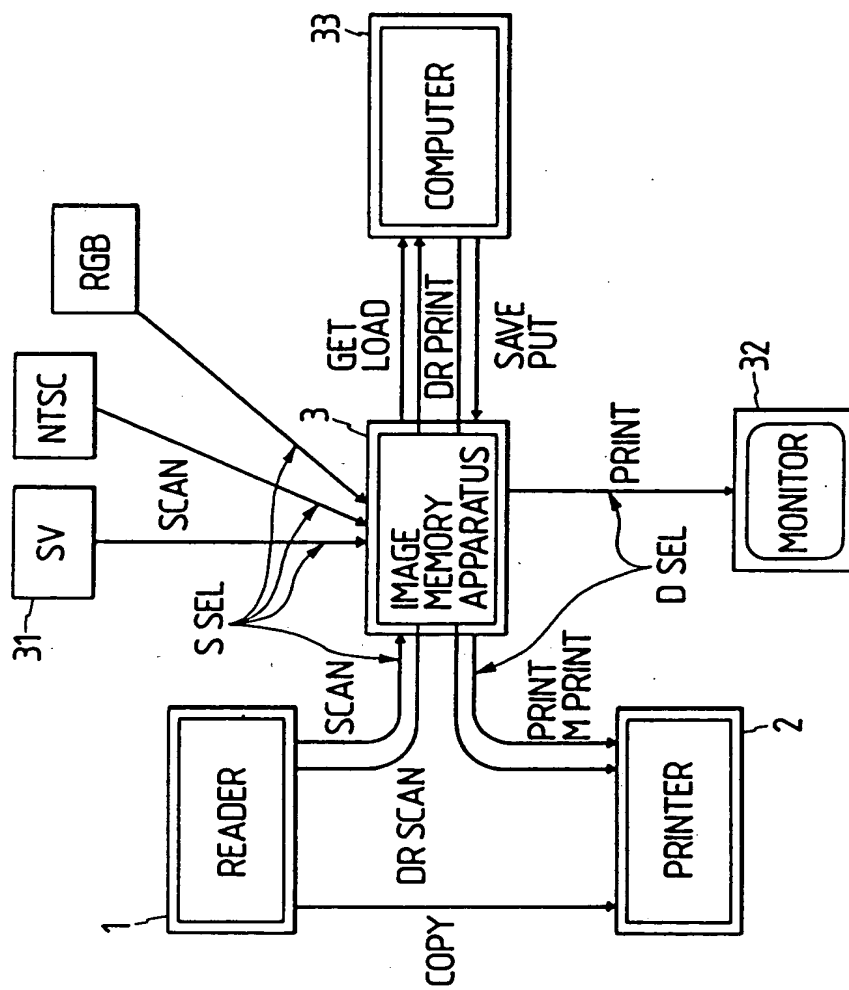


FIG. 60

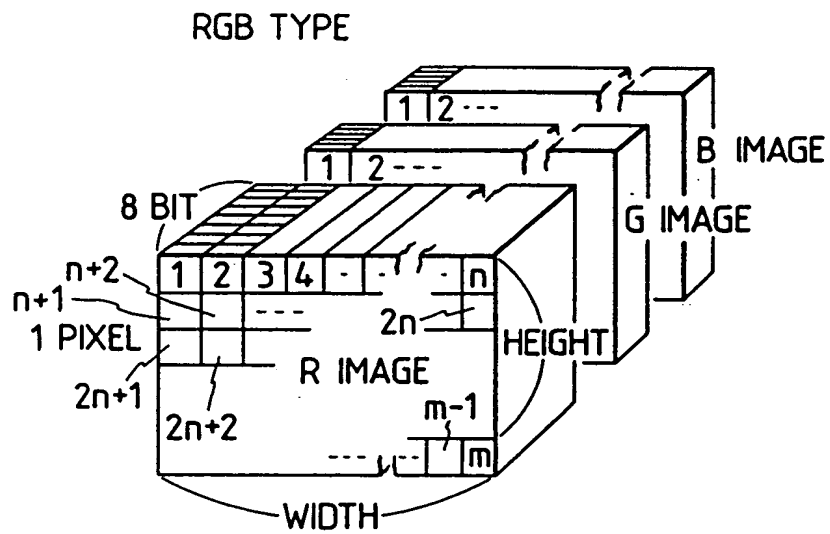


FIG. 61

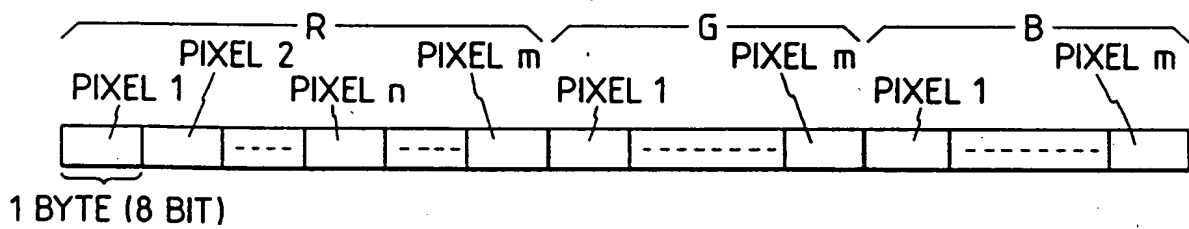


FIG. 62

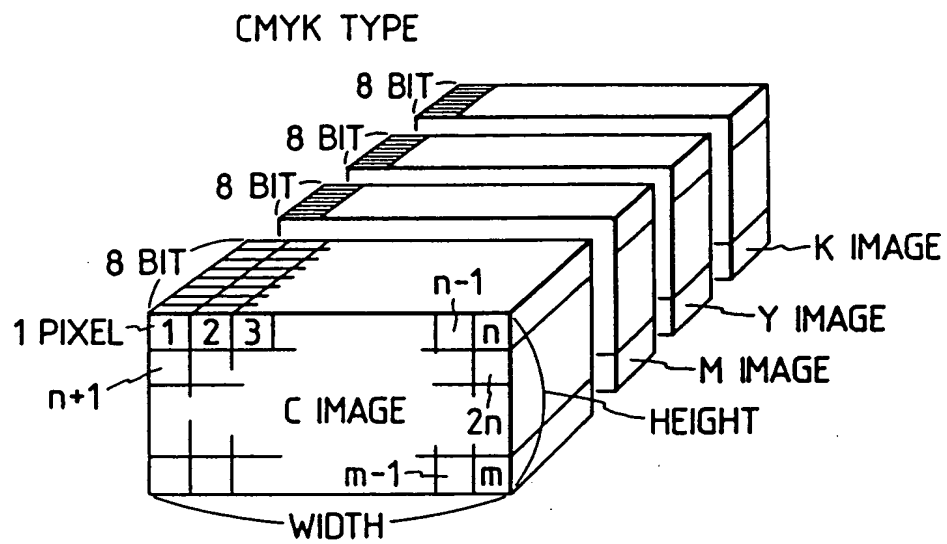


FIG. 63

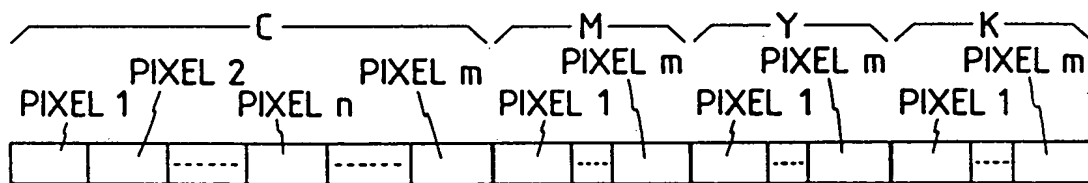




FIG. 64

8 BIT PALETTE TYPE

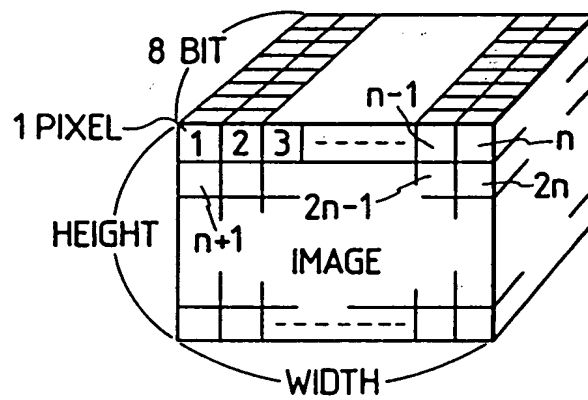


FIG. 65

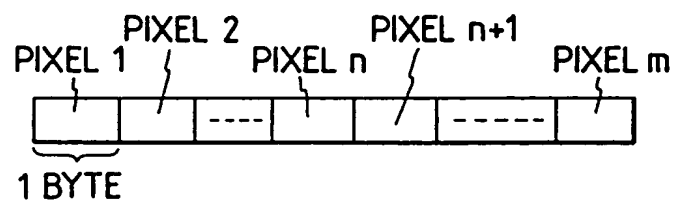


FIG. 66

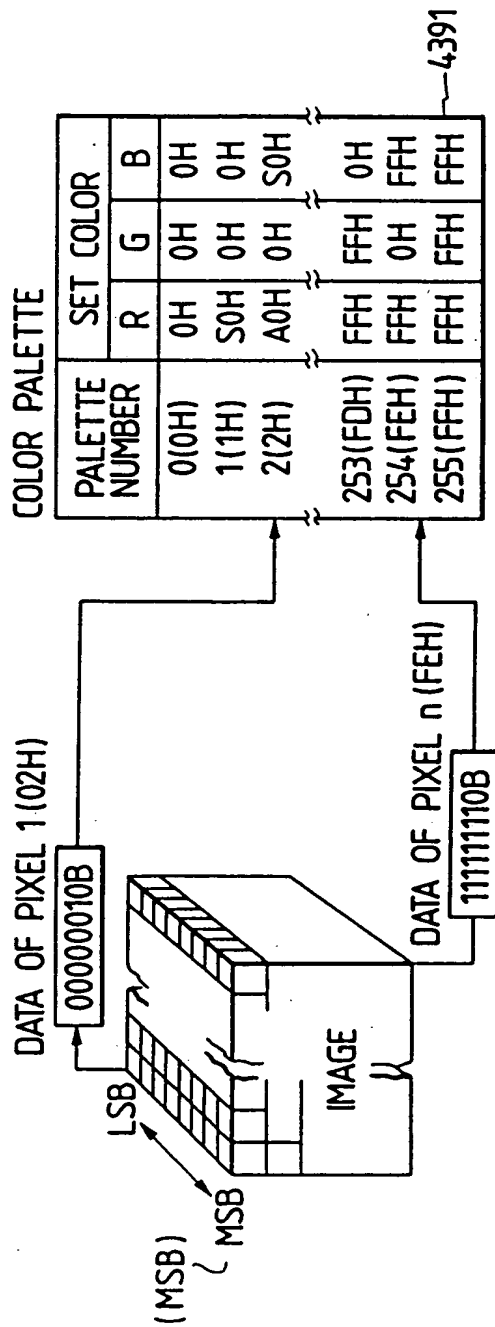


FIG. 67

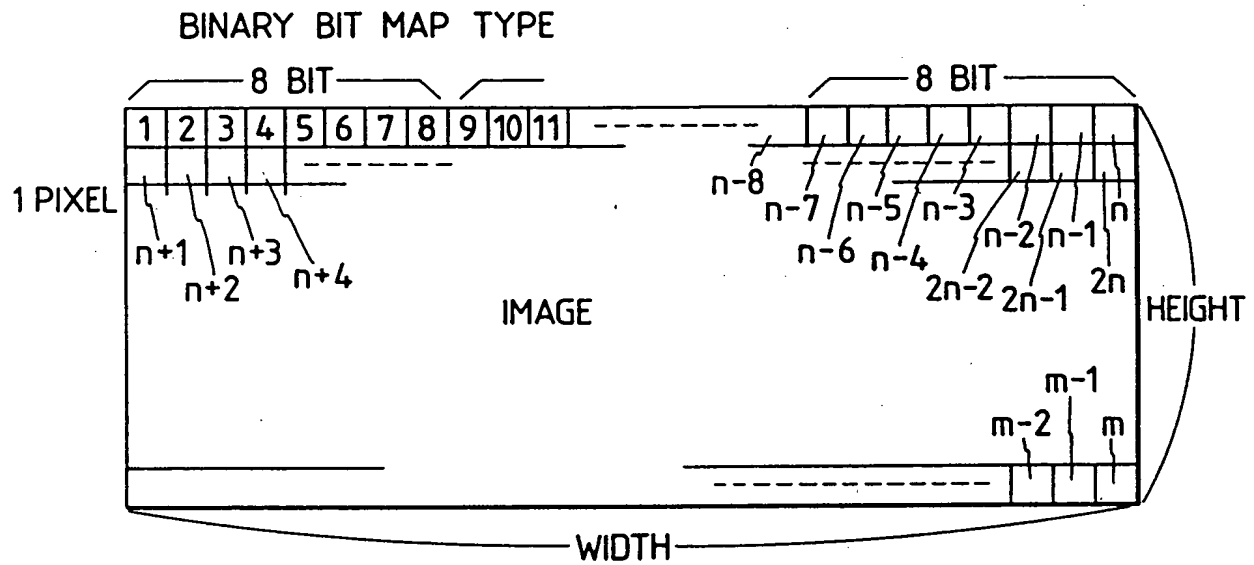
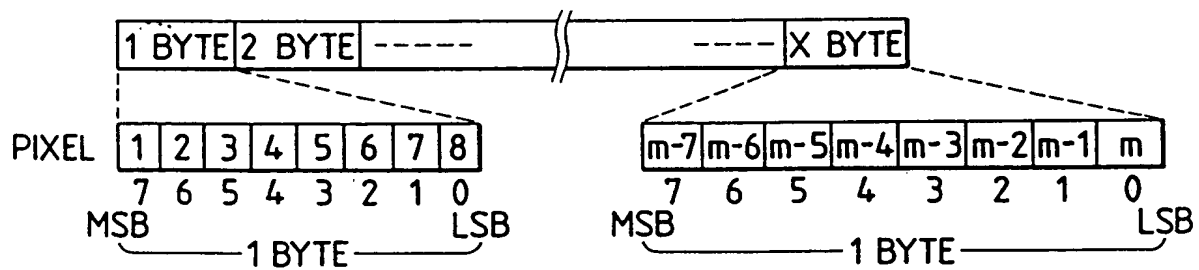


FIG. 68



*FIG. 69*

ACK TYPE (AFFIRMATIVE RESPONSE)

3 BYTE

2E (HEX)	0 0	0 0
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NAK TYPE (NEGATIVE RESPONSE)

3 BYTE

3D (HEX)	LOWER RANK BYTE	UPPER RANK BYTE
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(ERROR CODE) = (UPPER RANK BYTE) × 100 (HEX) + (LOWER RANK BYTE)

RET TYPE (RESPONSE WITH ATTACHED INFORMATION)

HEADER

02H	FIRST DATA	SECOND DATA	THIRD DATA	FOURTH DATA	FIFTH DATA	SIXTH DATA	SEVENTH DATA
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FIG. 70

COMMAND CLASSIFICATION	COMMAND NAME
INITIALIZING COMMAND	INIT, INITPALET, INITBIT
INPUT OUTPUT EXEC. COMMAND	SCAN, PRINT, MPRINT, COPY, DRSCAN, DRPRINT
INPUT OUTPUT SEL. COMMAND	SSEL, DSEL
INPUT OUTPUT MODE SET COMMAND	SMODE, DMODE, ASMODE, SAREA, DAREA, RPMODE
FILE OPERATION COMMAND	SAVE, LOAD, PUT, GET, DELE, REN, FNLIST, FNCHECK, DKCHECK
COLOR SET COMMAND	BITCOLOR, PALETTE, BALANCE, GAMMA
OTHER COMMAND	PPRREQ, PPRSEL, SENSE, REMOTE, MONITOR

FIG. 71

NO.	COMMAND	FUNCTION
1	INIT	INITIALIZATION
2	INITPALET	CHANGE OF COLOR PALETTE
3	INITBIT	CLEAR AND INITIALIZATION OF BITMAP OR LIKE
4	SSEL	SWITCH OF INPUT APPARATUS
5	DSEL	SWITCH OF OUTPUT APPARATUS
6	SMODE	SETTING OF INPUT CONDITION UPON INPUTTING IMAGE
7	DMODE	SETTING OF OUTPUT CONDITION UPON OUTPUTTING IMAGE
8	RPMODE	SETTING OF REPEAT OUTPUT UPON PRINTER OUTPUT
9	SAREA	SETTING OF INPUT AREA
10	DAREA	SETTING OF OUTPUT AREA
11	SCAN	INPUT APPARATUS→REGISTER OF IMAGE DATA TO IMAGE MEMORY APPARATUS
12	PRINT	IMAGE MEMORY APPARATUS→OUTPUT OF IMAGE DATA TO OUTPUT APPARATUS
13	MPRINT	IMAGE MEMORY APPARATUS→VIRTUAL OUTPUT OF IMAGE DATA TO OUTPUT APPARATUS
14	COPY	INPUT APPARATUS→OUTPUT OF IMAGE DATA TO OUTPUT APPARATUS
15	DRSCAN	INPUT APPARATUS→TRANSFER OF IMAGE DATA TO COMPUTER
16	DRPRINT	COMPUTER→OUTPUT OF IMAGE DATA TO OUTPUT APPARATUS
17	SAVE	COMPUTER→REGISTER OF IMAGE FILE TO IMAGE MEMORY APPARATUS
18	LOAD	IMAGE MEMORY APPARATUS→TRANSFER OF EXISTING IMAGE FILE TO COMPUTER
19	PUT	FITTING PORTION OF DATA INTO IMAGE FILE

FIG. 72

NO.	COMMAND	FUNCTION
20	GET	CUTTING OUT PORTION OF DATA IN IMAGE FILE
21	DELE	DELETION OF IMAGE FILE
22		
23	REN	CHANGE OF IMAGE FILE
24	FNLIST	OBTAINING OF LIST OF ALL REGISTERED IMAGE FILE IN IMAGE MEMORY APPARATUS
25	FNCHECK	CHECK OF ATTRIBUTE INFORMATION OF IMAGE FILE OF IMAGE MEMORY APPARATUS
26	DKCHECK	CHECK OF MEMORY CAPACITY OF IMAGE MEMORY APPARATUS
27	BITCOLOR	SETTING OF COLOR FOR BINARY BIT MAP
28	PALETTE	SETTING OF COLOR PALETTE
29	BALANCE	SETTING OF COLOR BALANCE
30	GAMMA	SETTING OF GAMMA CORRECTION
31	PPRREQ	SHEET SIZE
32	PPRSEL	SETTING OF SHEET SELECTION
33	SENSE	STATUS INFORMATION OF EACH CONNECTING APPARATUS
34	REMOTE	REMOTE/LOCAL SETTING
35	ASMODE	SETTING OF INPUT CONDITION UPON INPUT OF ANALOG IMAGE
36		
37		
38	MONITOR	THROUGH DISPLAY OF ANALOG INPUT

FIG. 73

COMMAND NAME	CONTENTS	RESPONSE
INIT	INITIALIZATION OF IMAGE MEMORY APPARATUS	ACK NAK

EXECUTE INITIALIZATION FOR EACH MEMORY APPARATUS

INIT, <no>

COMMAND NAME	CONTENTS	RESPONSE
INITBIT	INITIALIZATION OF SPECIAL FILE	ACK NAK

EXECUTE INITIALIZATION OF SPECIAL FILE "BITMAP.S"

INITBIT, <type>

COMMAND NAME	CONTENTS	RESPONSE
INITPALET	INITIALIZATION OF COLOR PALETTE	ACK NAK

EXECUTE INITIALIZATION OF COLOR PALETTE

INITPALET



FIG. 74

COMMAND NAME	CONTENTS	RESPONSE
SSEL	SWITCHING OF IMAGE INPUT APPARATUS	ACK NAK

FUNCTION SWITCH IMAGE INPUT APPARATUS

FORM SSEL, <no>, <frame>

COMMAND NAME	CONTENTS	RESPONSE
DSEL	SELECTION OF OUTPUT APPARATUS	ACK NAK

FUNCTION SELECT IMAGE OUTPUT APPARATUS

FORM DSEL, <no>

FIG. 75

FIG. 75A
FIG. 75B

FIG. 75A

COMMAND NAME	CONTENTS	RESPONSE
DAREA	SETTING OF OUTPUT AREA	ACK NAK

FUNCTION SET AREA TO BE OUTPUT TO OUTPUT APPARATUS

FORM DAREA, <type>, <sx>, <sy>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
SAREA	SETTING OF INPUT AREA	ACK NAK

FUNCTION SET AREA TO BE INPUTTED FROM INPUT APPARATUS

FORM DAREA, <type>, <sx>, <sy>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
DMODE	SETTING OF OUTPUT CONDITION UPON OUTPUTTING IMAGE	ACK NAK

FUNCTION SET SIZE CHANGE CONDITION UPON OUTPUTTING IMAGE

FORM DMODE, <type>, <mx>, <my>

TO FIG. 75B

# FIG. 75B

FROM FIG. 75A

COMMAND NAME	CONTENTS	RESPONSE
SMODE	SETTING OF INPUT CONDITION UPON INPUTTING IMAGE	ACK NAK

FUNCTION SET SIZE CHANGE CONDITION UPON INPUTTING IMAGE

FORM SMODE, <type>, <mx>, <my>

COMMAND NAME	CONTENTS	RESPONSE
ASMODE	SETTING OF INPUT MODE FOR ANALOG MODE	ACK NAK

FUNCTION SET INPUT MODE OF ANALOG IMAGE

FORM ASMODE, p1, p2

COMMAND NAME	CONTENTS	RESPONSE
RPMODE	SETTING OF REPEAT OUTPUT UPON PRINTER OUTPUT	ACK NAK

FUNCTION OUTPUT IMAGE FROM PRINTER REPEATEDLY

FORM RPMODE, <flag>

FIG. 76

FIG. 76A
FIG. 76B

FIG. 76A

COMMAND NAME	CONTENTS	RESPONSE
COPY	OUTPUT IMAGE DATA FROM INPUT APPARATUS TO OUTPUT APPARATUS	ACK NAK

FUNCTION OUTPUT FROM SCANNER TO PRINTER DIRECTLY

FORM COPY, <count>

COMMAND NAME	CONTENTS	RESPONSE
SCAN	REGISTER OF IMAGE DATA FROM INPUT APPARATUS TO IMAGE MEMORY APPARATUS	ACK NAK

FUNCTION EXECUTE IMAGE REGISTER FROM DESIGNATED INPUT APPARATUS

FORM SCAN, <filename>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
PRINT	OUTPUT IMAGE DATA FROM IMAGE MEMORY APPARATUS TO OUTPUT APPARATUS	ACK NAK

FUNCTION OUTPUT TO DESIGNATED OUTPUT APPARATUS REGISTERED IMAGE IN IMAGE MEMORY APPARATUS

FORM PRINT, <filename>, <count>

TO FIG. 76B

# FIG. 76B

FROM FIG. 76A

COMMAND NAME	CONTENTS	RESPONSE
MPRINT	VIRTUAL OUTPUT OF IMAGE DATA FROM IMAGE MEMORY APPARATUS TO OUTPUT APPARATUS	ACK NAK

FUNCTION EXECUTE VIRTUAL OUTPUT OF IMAGE DATA FROM IMAGE MEMORY APPARATUS TO OUTPUT APPARATUS

FORM MPRINT, <filename>

COMMAND NAME	CONTENTS	RESPONSE
DRSCAN	INPUT OF IMAGE DATA FROM INPUT APPARATUS TO COMPUTER	ACK NAK

FUNCTION INPUT IMAGE DATA FROM INPUT APPARATUS TO COMPUTER

FORM DRSCAN, <filename>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
DRPRINT	OUTPUT OF IMAGE DATA FROM COMPUTER TO OUTPUT APPARATUS	ACK NAK

FUNCTION OUTPUT IMAGE DATA FROM COMPUTER TO OUTPUT APPARATUS

FORM DRPRINT, <filename>, <width>, <height>, <count>

FIG. 77

FIG. 77A
FIG. 77B

FIG. 77A

COMMAND NAME	CONTENTS	RESPONSE
DELE	DELETION OF IMAGE FILE	RET

FUNCTION  DELETE REGISTERED IMAGE FILE IN IMAGE MEMORY APPARATUS

FORM  DELE, <filename>

COMMAND NAME	CONTENTS	RESPONSE
DKCHECK	CHECK OF REGISTERED CAPACITY IN IMAGE MEMORY APPARATUS	RET

FUNCTION  CHECK REGISTERED CAPACITY IN IMAGE MEMORY APPARATUS

FORM  DKCHECK, <type>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
FNCHECK	CHECK OF ATTRIBUTE INFORMATION OF IMAGE FILE OF IMAGE MEMORY APPARATUS	RET

FUNCTION  CHECK ATTRIBUTE INFORMATION OF IMAGE FILE OF IMAGE MEMORY APPARATUS

FORM  FNCHECK, <filename>

TO FIG. 77B

# FIG. 77B

FROM FIG. 77A

COMMAND NAME	CONTENTS	RESPONSE
FNLIST	TRANSFER OF LIST OF ALL REGISTERED IMAGE FILE IN IMAGE MEMORY APPARATUS	RET

TRANSFER TO HOST COMPUTER INFORMATION REGARDING ALL REGISTERED IMAGE FILE IN IMAGE MEMORY APPARATUS

FUNCTION

FORM FNLIST

COMMAND NAME	CONTENTS	RESPONSE
REN	CHANGE OF IMAGE FILE NAME	ACK NAK

FUNCTION CHANGE IMAGE FILE NAME

FORM REN, (Sfilename) , (Dfilename)

FIG. 78

FIG. 78A
FIG. 78B

FIG. 78A

COMMAND NAME	CONTENTS	RESPONSE
LOAD	TRANSFER OF REGISTERED IMAGE FILE FROM IMAGE MEMORY APPARATUS TO COMPUTER	ACK NAK

FUNCTION

TRANSFER IMAGE FILE REGISTERED IN IMAGE MEMORY APPARATUS TO COMPUTER

FORM

LOAD, <filename>

COMMAND NAME	CONTENTS	RESPONSE
SAVE	REGISTER OF IMAGE FILE FROM COMPUTER TO IMAGE MEMORY APPARATUS	ACK NAK

FUNCTION

REGISTER IMAGE FILE FROM COMPUTER TO IMAGE MEMORY APPARATUS

FORM

SAVE, <filename>, <width>, <height>

TO FIG. 78B



# FIG. 78B

FROM FIG. 78A

COMMAND NAME	CONTENTS	RESPONSE
PUT	FITTING OF PARTIAL IMAGE INTO REGISTERED IMAGE FILE	ACK NAK

FUNCTION

FIT PARTIAL IMAGE INTO REGISTERED IMAGE FILE

FORM

PUT, <filename>, <sx>, <sy>, <width>, <height>

COMMAND NAME	CONTENTS	RESPONSE
GET	CUTTING OFF OF PORTION IN IMAGE FILE	ACK NAK

FUNCTION

CUT OFF PORTION IN IMAGE REGISTERED TO IMAGE MEMORY APPARATUS AND TRANSFER IT TO HOST COMPUTER

FORM

GET, <filename>, <sx>, <sy>, <width>, <height>

FIG. 79

COMMAND NAME	CONTENTS	RESPONSE
BALANCE	SETTING OF COLOR BALANCE	ACK NAK

FUNCTION SET EACH COLOR BALANCE FOR RGB AND CMYK

FORM BALANCE, <type>, <c1>, <c2>, <c3>, <c4>

COMMAND NAME	CONTENTS	RESPONSE
BITCOLOR	SETTING OF COLOR FOR BINARY BIT MAP IMAGE DATA	ACK NAK

FUNCTION DESIGNATE COLOR FOR IMAGE DATA OF BINARY BIT MAP MEMORY

FORM BITCOLOR, <sx>, <sy>, <width>, <height>, <index>

COMMAND NAME	CONTENTS	RESPONSE
GAMMA	SETTING OF GAMMA CORRECTION TABLE UPON PRINTING OUT	ACK NAK

FUNCTION SET GAMMA CORRECTION TABLE UPON PRINTING OUT

FORM GAMMA, <type>

COMMAND NAME	CONTENTS	RESPONSE
PALETTE	SETTING OF COLOR PALETTE TABLE	ACK NAK

FUNCTION SET COLOR PALETTE TABLE

FORM PALETTE

FIG. 80

FIG. 80A

FIG. 80B

FIG. 80A

COMMAND NAME	CONTENTS	RESPONSE
MONITOR	SETTING OF MONITOR DISPLAY	ACK NAK

FUNCTION THROUGH-DISPLAY ANALOG IMAGE TO MONITOR TV CONNECTED TO IMAGE MEMORY APPARATUS

FORM MONITOR, <type>

COMMAND NAME	CONTENTS	RESPONSE
PPREQ	TRANSFER OF INFORMATION REGARDING SHEET SIZE	RET

FUNCTION TRANSFER DETERMINATION DATA FOR SHEET CASSETTE OF PRINTER TO HOST COMPUTER

FORM PPRREQ

COMMAND NAME	CONTENTS	RESPONSE
PPRSEL	SETTING OF SHEET SELECTION	ACK NAK

FUNCTION SELECT SHEET

FORM PPRSEL, <no>

TO FIG. 80B

# FIG. 80B

FROM FIG. 80A

COMMAND NAME	CONTENTS	RESPONSE
REMOTE	SETTING OF REMOTE STATUS OF IMAGE MEMORY APPARATUS	ACK NAK
FUNCTION	SET REMOTE/LOCAL STATUS OF IMAGE MEMORY APPARATUS BY COMPUTER	
FORM	RPMOTE, <type>	

COMMAND NAME	CONTENTS	RESPONSE
SENSE	TRANSFER OF INFORMATION FOR EACH PERIPHERAL APPARATUS	RET
FUNCTION	CHECK STATUS OF EACH CONNECTING APPARATUS	
FORM	SENSE, <dev >, <type>	

FIG. 81

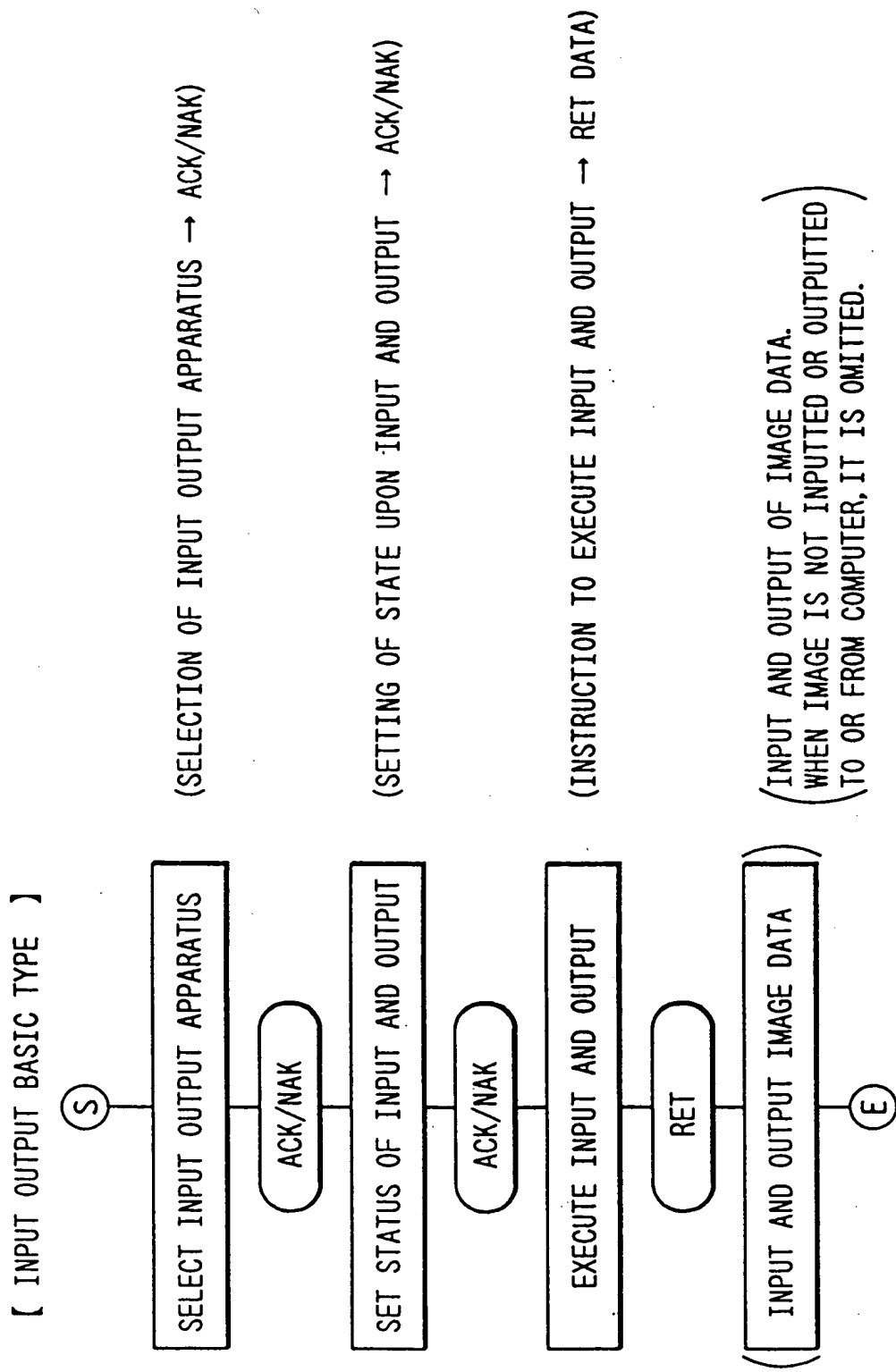
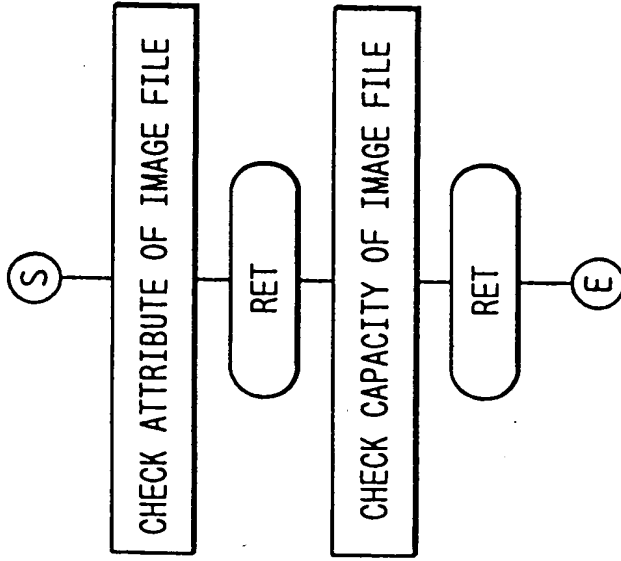


FIG. 82



CHECKING OF FILE ATTRIBUTE AND OF EXISTENCE  
OF DESIGNATION FILE NAME OF IMAGE FILE → RET DATA

CHECKING OF REMAINING CAPACITY OF IMAGE FILE → RET DATA

FIG. 83

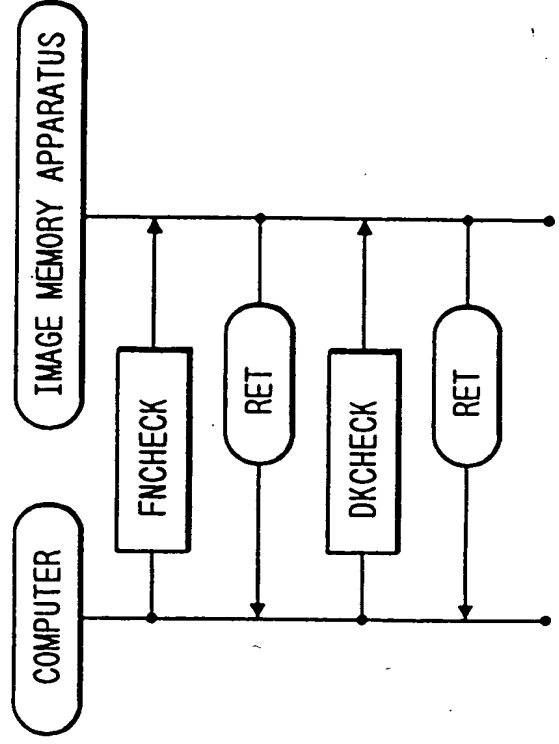


FIG. 84

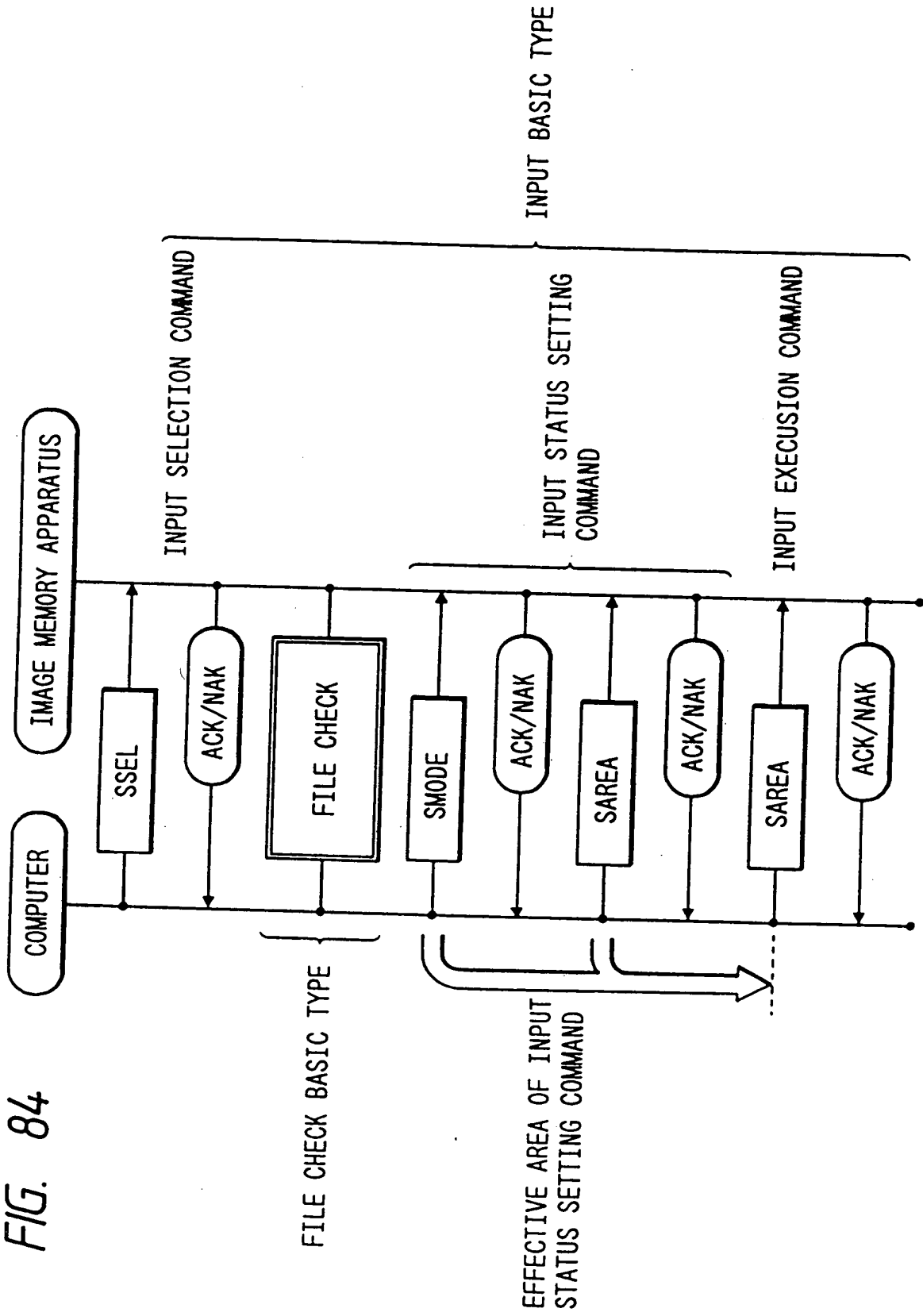


FIG. 85

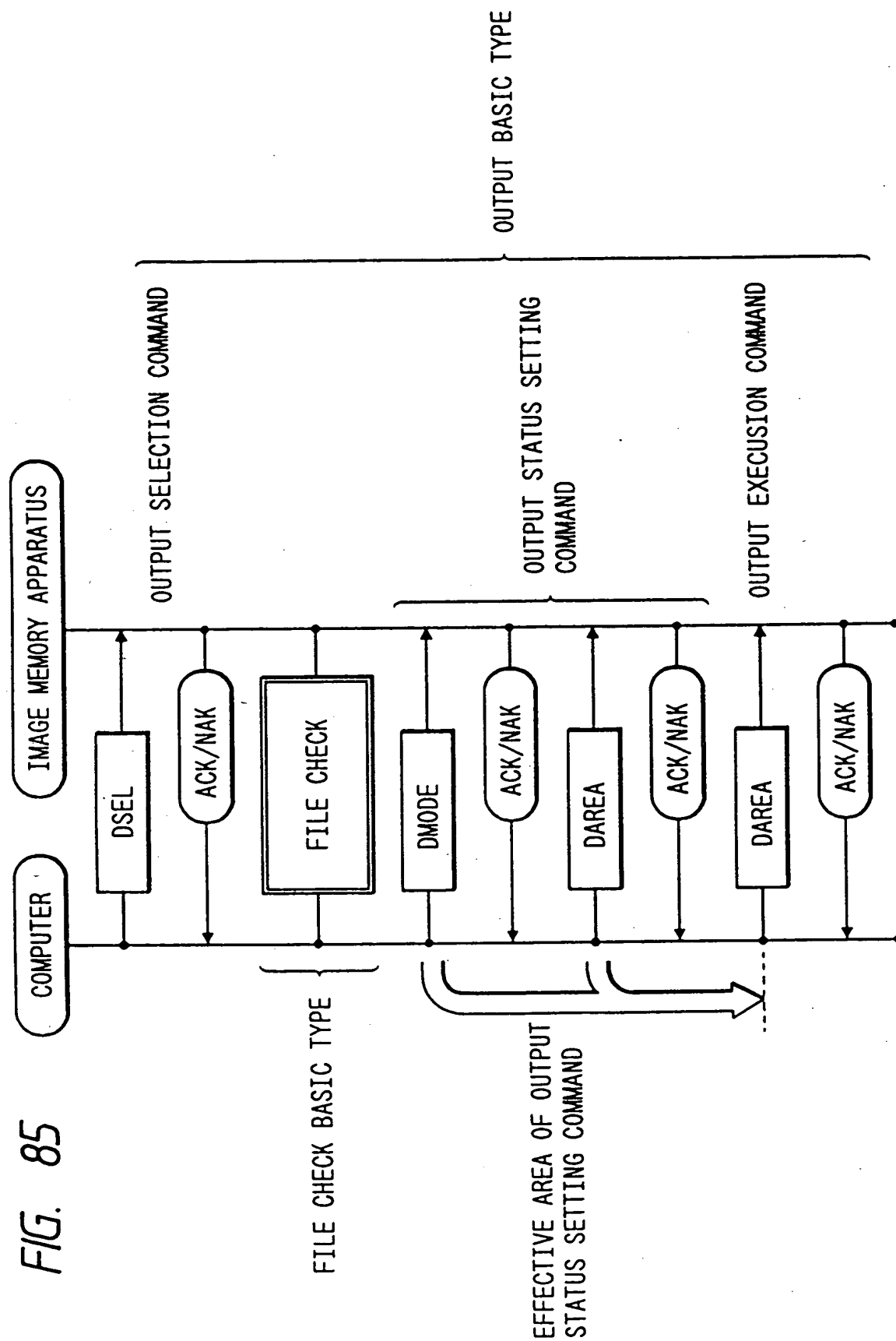




FIG. 86

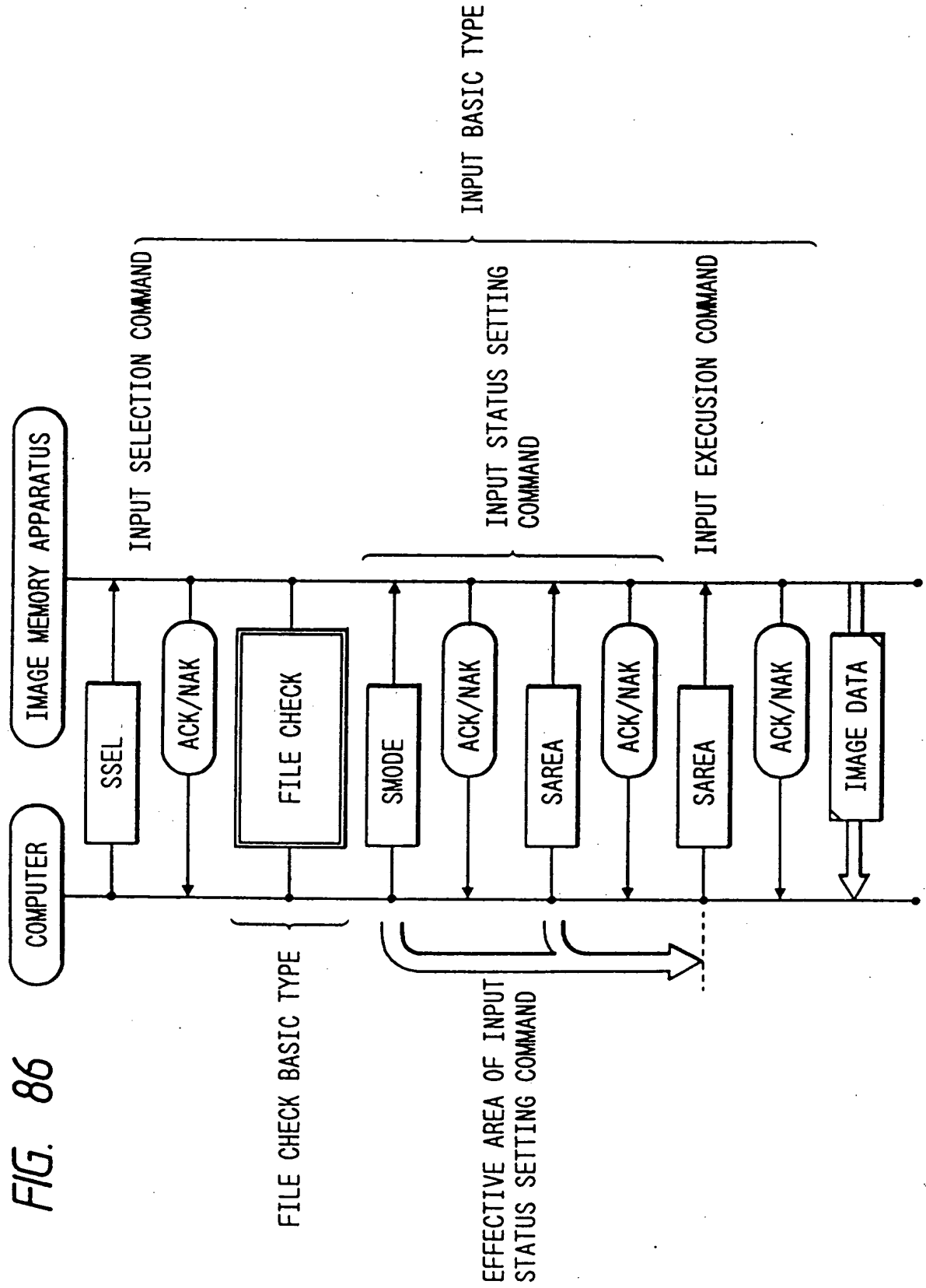


FIG. 87

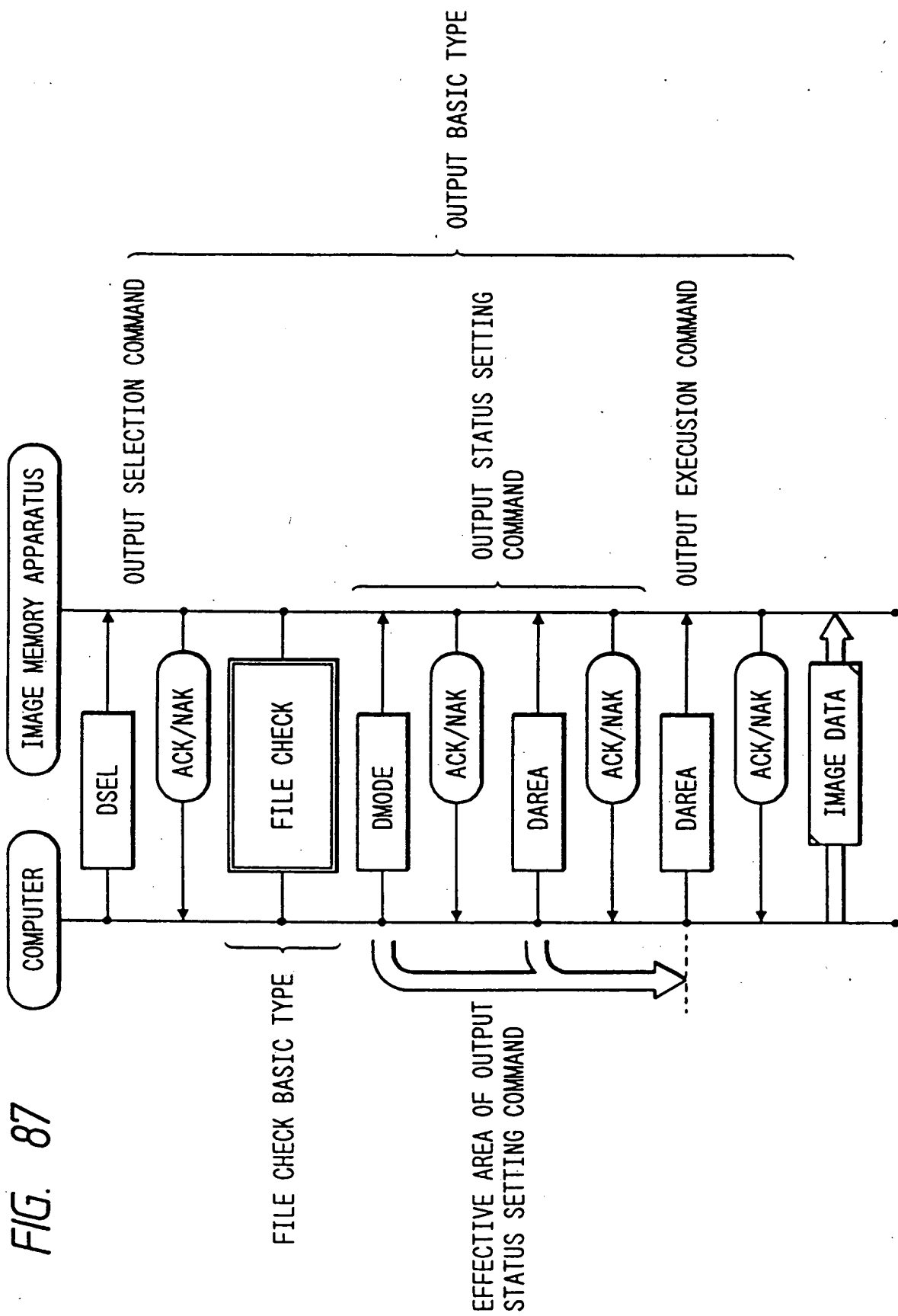


FIG. 88

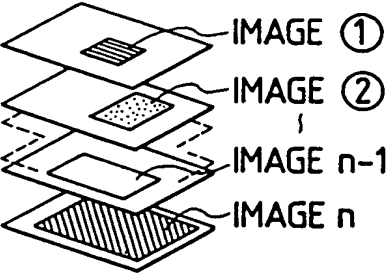
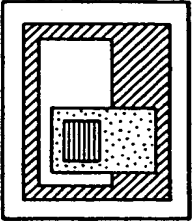
ORDER OF OUTPUT COMMAND	OUTPUT IMAGE	SYNTHESIS OUTPUT IMAGE
MPRINT IMAGE ① MPRINT IMAGE ② ⋮ MPRINT IMAGE n-1 PRINT IMAGE n		

FIG. 89

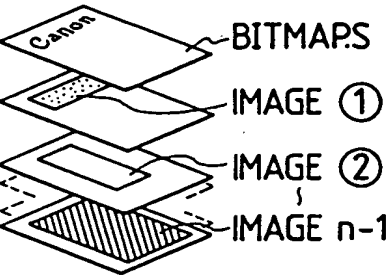
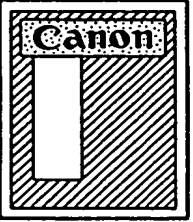
ORDER OF OUTPUT COMMAND	OUTPUT IMAGE	SYNTHESIS OUTPUT IMAGE
MPRINT IMAGE ① MPRINT IMAGE ② ⋮ MPRINT IMAGE n-1 PRINT BITMAPS		

FIG. 90

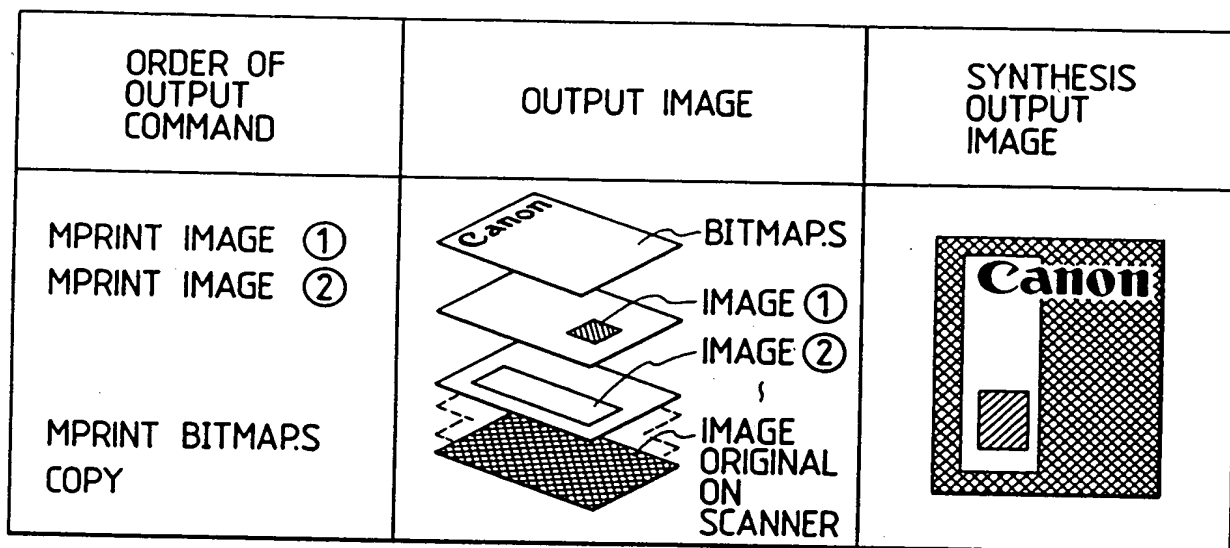


FIG. 91

PALETTE NUMBER	R(RED)	G(GREEN)	B(BLUE)
0(00H)	FFH	00H	00H
1(01H)	00H	FFH	00H
2(02H)	00H	00H	FFH
⋮			
254(FEH)	33H	FFH	33H
255(FFH)	80H	FFH	33H

FIG. 92

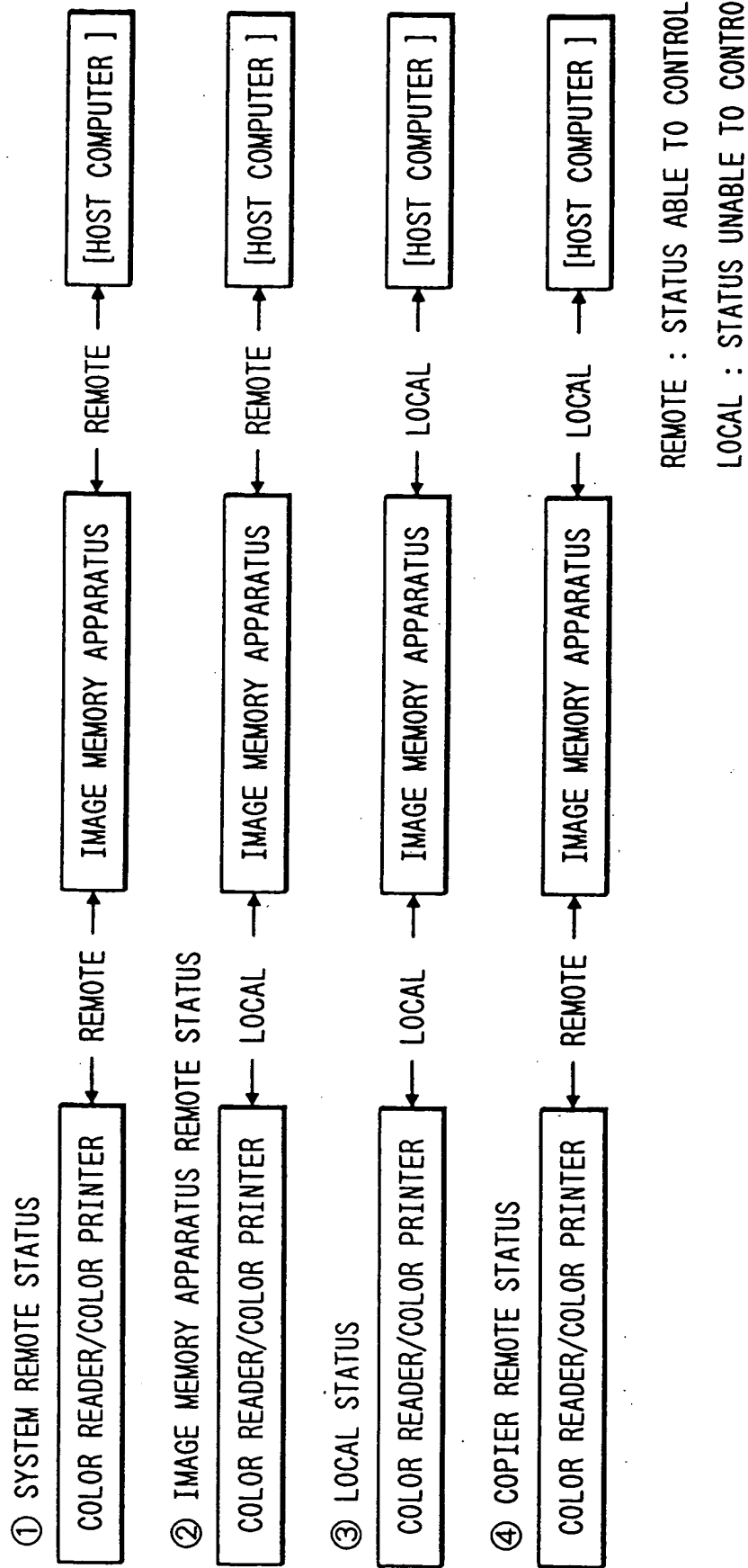
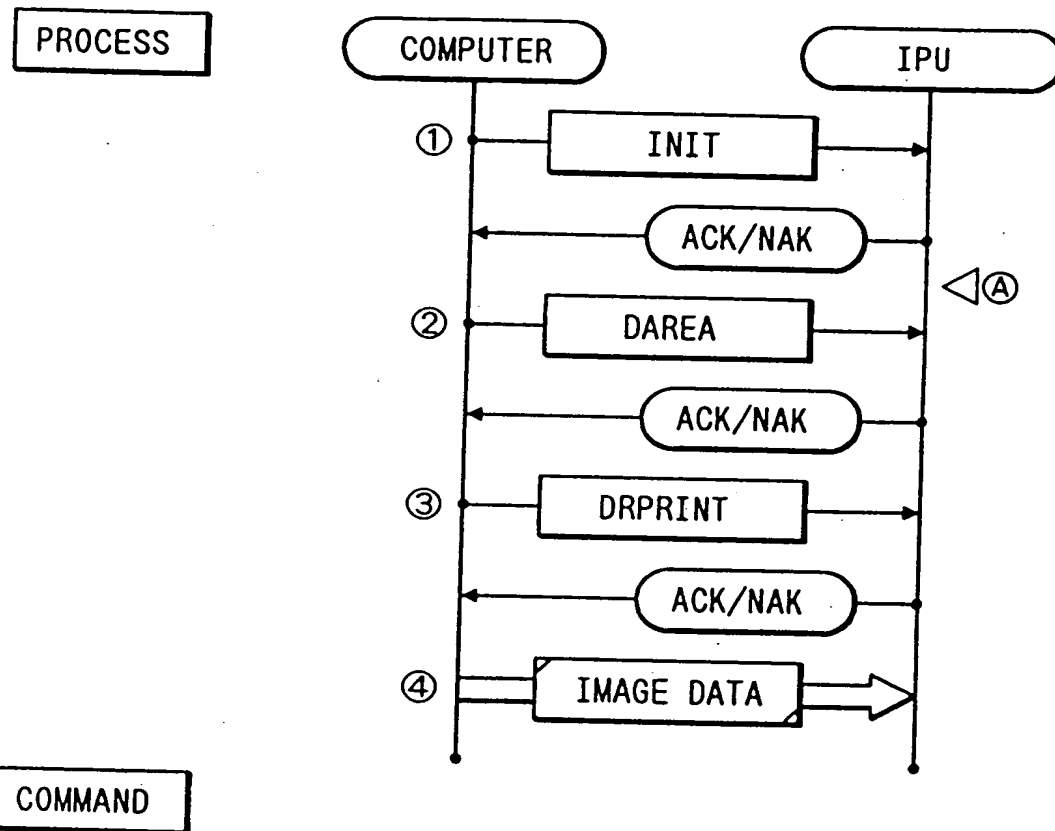
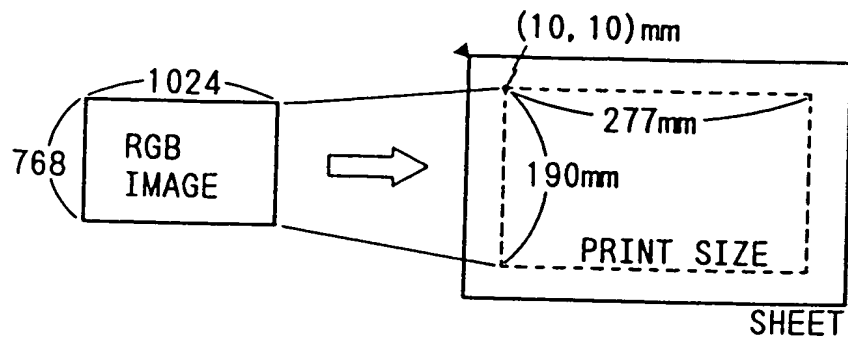


FIG. 93



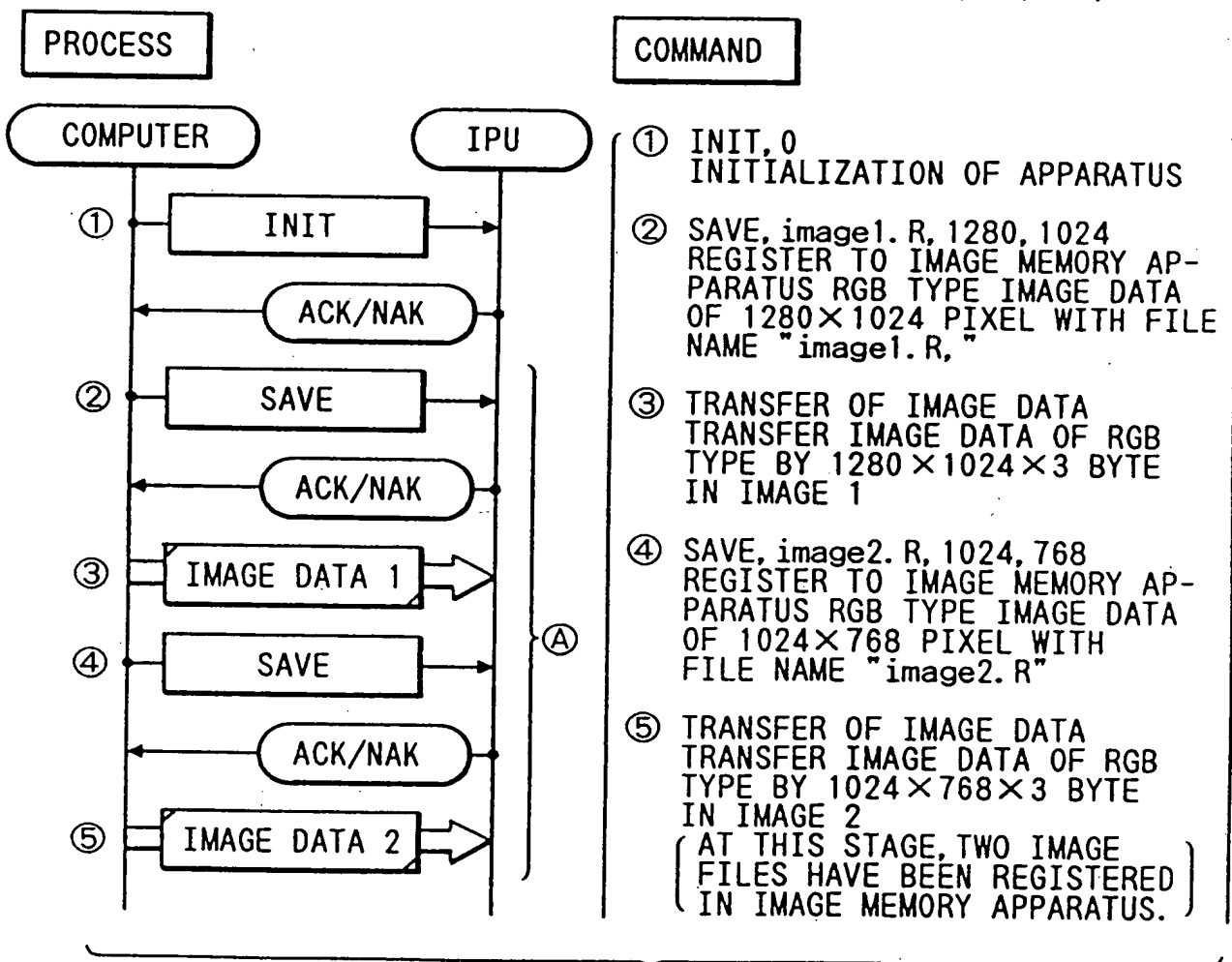
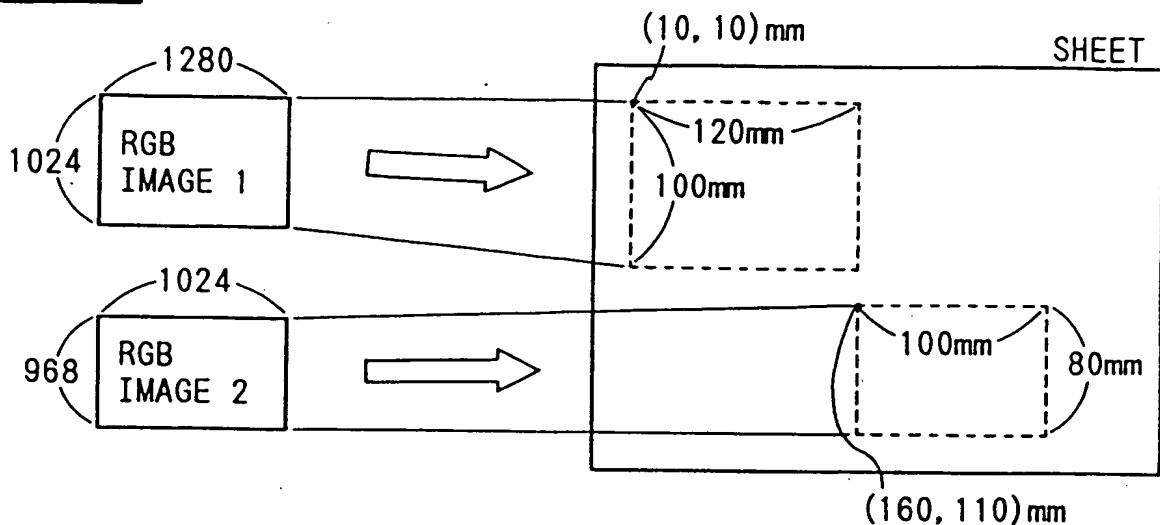
COMMAND

- ① INIT, 0  
INITIALIZATION OF APPARATUS
- ② DAREA, 6, 10, 277, 190  
SET AREA OF 277×190mm FROM LOCATION (10, 10)mm
- ③ DPRINT, tmp. R, 1024, 768, 1  
REGISTER IMAGE OF 1024×768 PIXELS WITH FILE NAME "tmp. R"  
TO IMAGE MEMORY APPARATUS 3 AND PRINT IT BY ONE SHEET
- ④ TRANSFER OF IMAGE DATA  
TRANSFER IMAGE DATA OF RGB TYPE BY 1026×768×3 BYTE

FIG. 94

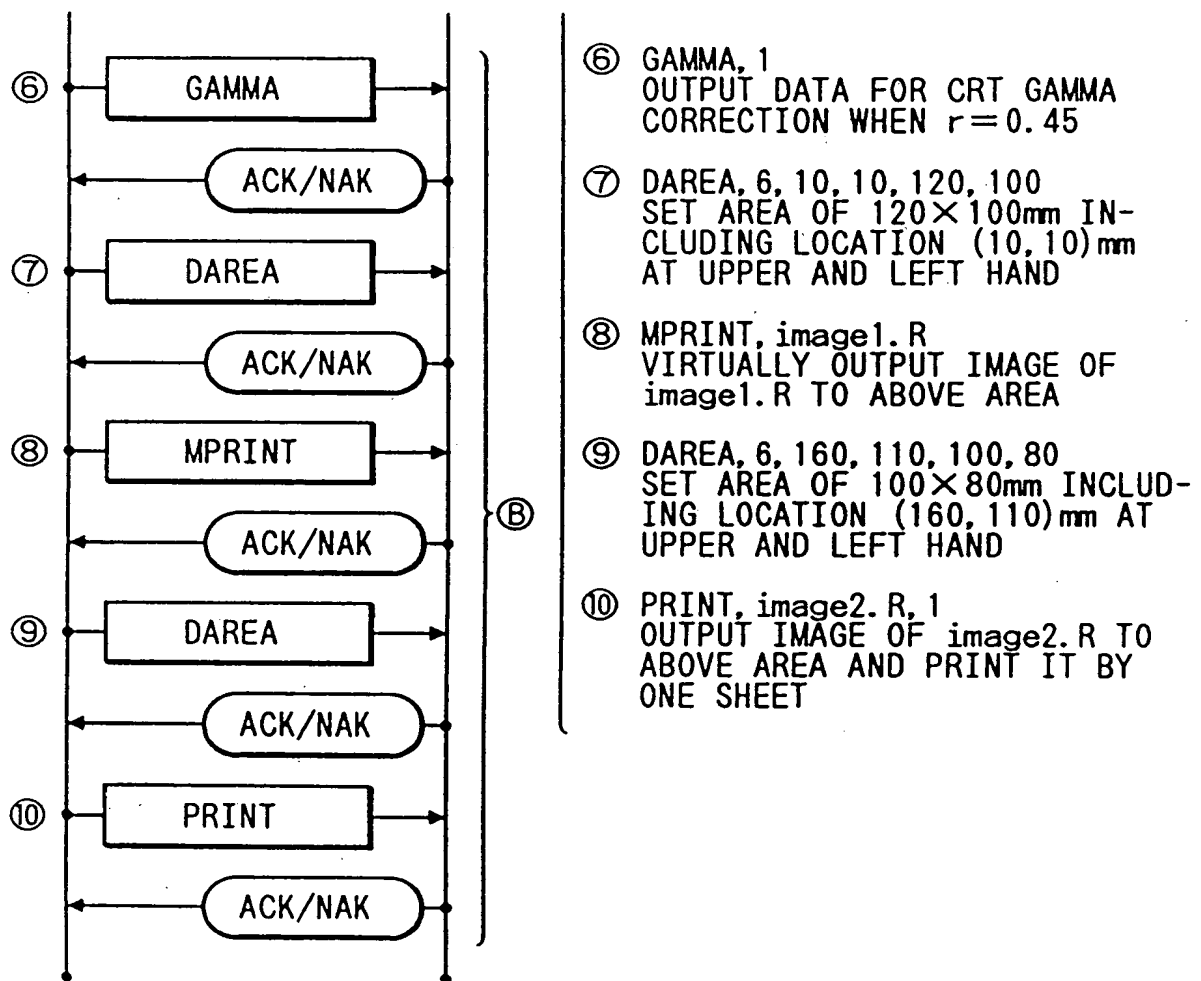
FIG. 94A
FIG. 94B

FIG. 94A



# FIG. 94B

FROM FIG. 94A





## FIG. 95

### PROCESS

A REGISTER ALL IMAGE DATA TO IMAGE MEMORY APPARATUS 3,  
AND THEN OUTPUT TOGETHER

### COMMAND

#### ① INITIALIZATION OF APPARATUS

INIT, 0

#### ② REGISTER OF IMAGE DATA TO IMAGE MEMORY APPARATUS 3

SAVE, tmp1. R, 640, 512    REGISTER OF IMAGE DATA tmp1. R

SAVE, tmp2. R, 640, 512    REGISTER OF IMAGE DATA tmp2. R

⋮

SAVE, tmp4. R, 640, 512    REGISTER OF IMAGE DATA tmp4. R

#### ③ OUTPUT FROM IMAGE MEMORY APPARATUS 3 TO PRINTER

DAREA, 6, 10, 10, 60, 50    } VIRTUAL OUTPUT OF IMAGE DATA tmp1. R  
MPRINT, tmp1. R

DAREA, 6, 80, 10, 100, 90    } VIRTUAL OUTPUT OF IMAGE DATA tmp2. R  
MPRINT, tmp2. R

⋮

DAREA, 6, 10, 100, 80, 70    } VIRTUAL OUTPUT OF IMAGE DATA tmp2. R  
PRINT, tmp4. R, 1    } AND PRINTOUT OF ALL VIRTUAL OUTPUTS

## FIG. 96

### PROCESS

B REGISTER EACH IMAGE DATA TO IMAGE MEMORY APPARATUS  
WHILE OUTPUTTING IT

### COMMAND

#### ① INITIALIZATION OF APPARATUS

INIT, 0

#### ② REGISTER OF IMAGE DATA AND VIRTUAL OUTPUT

SAVE, tmp1. R, 640, 512

DAREA, 6, 10, 10, 60, 50

MPRINT, tmp1. R.

#### ③ REGISTER OF IMAGE DATA tmp4. R AND PRINT OUT OF ALL VIRTUAL OUTPUTS

SAVE, tmp4. R, 640, 512

DAREA, 6, 10, 100, 80, 70

PRINT, tmp4. R, 1

FIG. 97

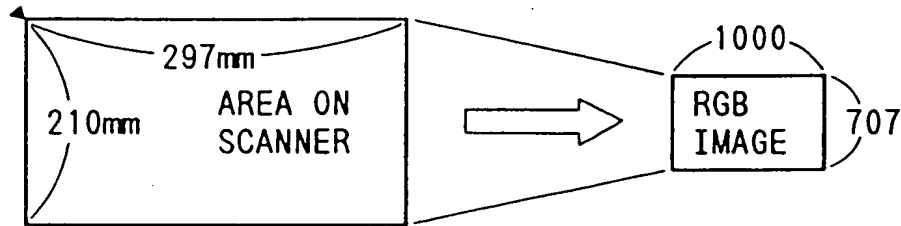


FIG. 98

